TELECTRO INDUSTRIES
SA-1A/ARN

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ILLUSTRATED PARTS BREAKDOWN

SIGNAL GENERATOR SA-1A/ARN

(TELECTRO INDUSTRIES CORP.)

PUBLISHED UNDER AUTHORITY OF THE SECRETARY OF THE AIR FORCE
AND THE CHIEF OF THE BUREAU OF AERONAUTICS

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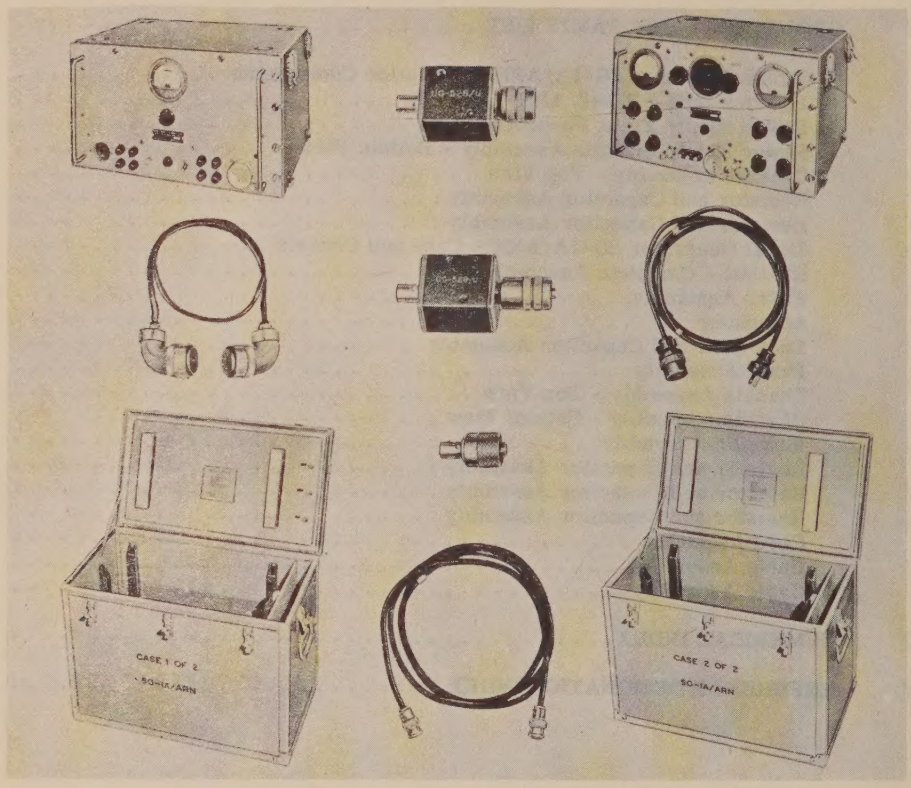

Figure 1. Signal Generator SG-1A/ARN

SECTION I

INTRODUCTION

1-1. GENERAL.

1-2. This Parts Breakdown illustrates, lists and describes all components of Signal Generator SG-1A/ARN manufactured by Telectro Industries Corp., Long Island City, New York.

1-3. GROUP ASSEMBLY PARTS LIST.

1-4. An exploded view drawing which is cross-referenced to the list by means of figure and index numbers, is provided to show the physical shape of the parts and location of the parts in the equipment. Parts and subassemblies are indexed and listed in the sequence of their disassembly with the exception of attaching parts. Attaching parts are always listed immediately following the part or parts attached, and with the same indention. The symbol "---*---" is used to denote the end of the attaching parts and the continuation of the listing.

1-5. FIGURE AND INDEX NUMBER COLUMN. The first item in the Figure and Index Number column is the figure number of the illustration on the assembly listed. The figure number is not repeated thereafter except with the first item of listings continued in succeeding pages.

1-6. An index number is assigned to each item on the illustration. The same index number, preceded by a hyphen, is used in the listing to identify the item. Where references are made to items appearing in the Group Assembly Parts List, both figure and index numbers are used. Example: item 9 of figure 2 is referred to as 2-9.

1-7. Identical parts occurring in the same general location in the equipment are illustrated and indexed but once, except where clarity would suffer by such treatment. Where identical parts must be repeated in the illustration for clarity, the several identical parts are assigned the same index number and listed but once. Identical parts widely separated in the equipment are illustrated and listed separately for each occurrence. Identical parts which have separate functions such as attaching parts for several different parts or assemblies are illustrated and listed for each such function.

1-8. PART NUMBER COLUMN. Part numbers used in this column are selected according to the following order of preference: Government Standard, Original Manufacturers, Commercial, Prime Design Manufacturers.

1-9. Unless otherwise indicated parenthetically in the Description column, all manufacturers' part numbers listed are those of Telectro Industries Corp.

1-10. Items marked NP are not procurable as subassemblies.

1-11. Commercial hardware items are listed as COMM in the Part Number column and may be procured from normal commercial sources by the use of their full descriptions.

1-12. DESCRIPTION COLUMN. Abbreviations used in the Description column are in accordance with ANA Bulletin 261. Abbreviations used in parentheses as Manufacturer Code name symbols are in accordance with ANA Bulletin 262.

1-13. Indention of the listing in the Description column is significant. The listing of the Major unit always begins in the first position under the numeral 1. Detail parts and subassemblies of the major unit are indented one column, their names and descriptions beginning in the second position under the numeral 2. Sub-subassemblies and detail parts of subassemblies are listed beginning in the third position under the number 3. The listing progresses in this manner throughout the breakdown.

1-14. UNITS PER ASSEMBLY COLUMN. The number given in the Units Per Assembly column for each listed part is the number required for the particular application being listed.

1-15. The abbreviation "AR" is used for bulk items for which a precise quantity cannot be specified, and is interpreted as meaning "As Required".

1-16. The abbreviation "Ref" is used in the Units Per Assembly column to indicate that the number of units required has been given in a previous listing. The previous listing is indicated in parentheses following the description of the item in the Description column.

1-17. USABLE ON CODE COLUMN. This column has been left blank because all parts illustrated and listed are used in all models of the equipment.

1-18. MANUFACTURERS' CODE. Manufacturers other than Telectro Industries Corp. are identified by Code abbreviations given in the Description column. Following is a list of manufacturers and their code symbol, used in this catalog.

LIST OF MANUFACTURERS

Code Symbol	Name and Address
BGW	Boston Gear Works Div. Murray Co. of Texas Quincy, Mass.

LIST OF MANUFACTURERS (cont)

Code Symbol	Name and Address
BUS	Bussman Manufacturing Co. St. Louis, Mo.
DLC	Dial Light Co. of America, Inc. New York, N.Y.
EBY	Hugh H. Eby Philadelphia, Pa.
ERC	Erie Resistor Corp. Erie, Pa.
GEK	The General Electric Co. Electronic Division Schenectady, N.Y.
HAW	Harvey Hubbell, Inc. Bridgeport, Conn.
SH	Shakeproof, Inc. Chicago, Ill.

1-19. NUMERICAL INDEX.

1-20. The numbers appearing in the Class Code or Stock Number column represent class code or stock numbers assigned by the procuring service. If a stock number does not appear, reference should be made to S-00-1 Master Cross-Reference Index for further identification.

1-21. The Part Number column of the Numerical Index contains all of the part numbers that appear in the Group Assembly Parts List. Part numbers are arranged first in alphabetical and secondly in numerical order. Commercial parts and parts without numbers are listed alphabetically by identifying noun.

1-22. The Figure and Index Number column of the Numerical Index lists opposite each part number the figure and index number of the illustration and listing of the part in the Group Assembly Parts List.

1-23. For Government Standard Parts, Commercial Standard Hardware Parts, and Standard Vendor Parts, only the first occurrence in the Group Assembly Parts List is shown.

1-24. The Quantity Per Article column of the Numerical Index lists opposite each part number the total number of such parts required for the complete equipment listed in this catalog.

1-25. REFERENCE DESIGNATION INDEX.

1-26. The Reference Designation column of the Reference Designation Index includes all reference symbols used in the Group Assembly Parts List, arranged first in alphabetical and secondly in numerical order. The corresponding number listed in the Figure and Index Number column is the figure and index number of the part in both the illustration and listing of the part in the Group Assembly Parts List. Reference symbols used correspond to those used in applicable Handbook of Operation and Handbook of Service Instructions.

1-27. HOW TO USE THIS CATALOG.

1-28. WHEN THE PART NUMBER IS KNOWN. If it is desired to find the illustration or description of a part and the part number is known, refer to the Numerical Index, Section III, of this catalog. Find the number in the Part Number column. The corresponding number in the Figure and Index Number column is the figure and index number of the illustration and listing of the part in the Group Assembly Parts List, Section II.

1-29. WHEN THE PART NUMBER IS NOT KNOWN. If it is desired to find the part number of a component part refer to the applicable illustration of the assembly in which the part is used. Locate the part on the illustration, find its index number and then refer to the associated parts list to determine the part number.

1-30. WHEN THE REFERENCE DESIGNATOR IS KNOWN. If it is desired to find the part number, description or illustration of a part and the Reference Designator is known, refer to the Reference Designation Index, Section IV, to determine the figure and index number of the part. Then refer to the illustration and associated parts list in the Group Assembly Parts List, Section II, for the required information.

SECTION II

GROUP ASSEMBLY PARTS LIST

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
		SIGNAL GENERATOR SG-1A/ARN INSTALLATION COMPONENTS		
2-		SIGNAL GENERATOR SG-1A/ARN INSTALLATION COMPONENTS	Ref	
-1	PP-348/ARN	. POWER SUPPLY, (See figures 3 through 8 for further breakdown)	1	
-2	TA-525	. CONNECTOR ADAPTER, UG-528/U	1	
-3	SG-1A/ARN	. SIGNAL GENERATOR, (See figures 9 through 20 for further breakdown)	1	

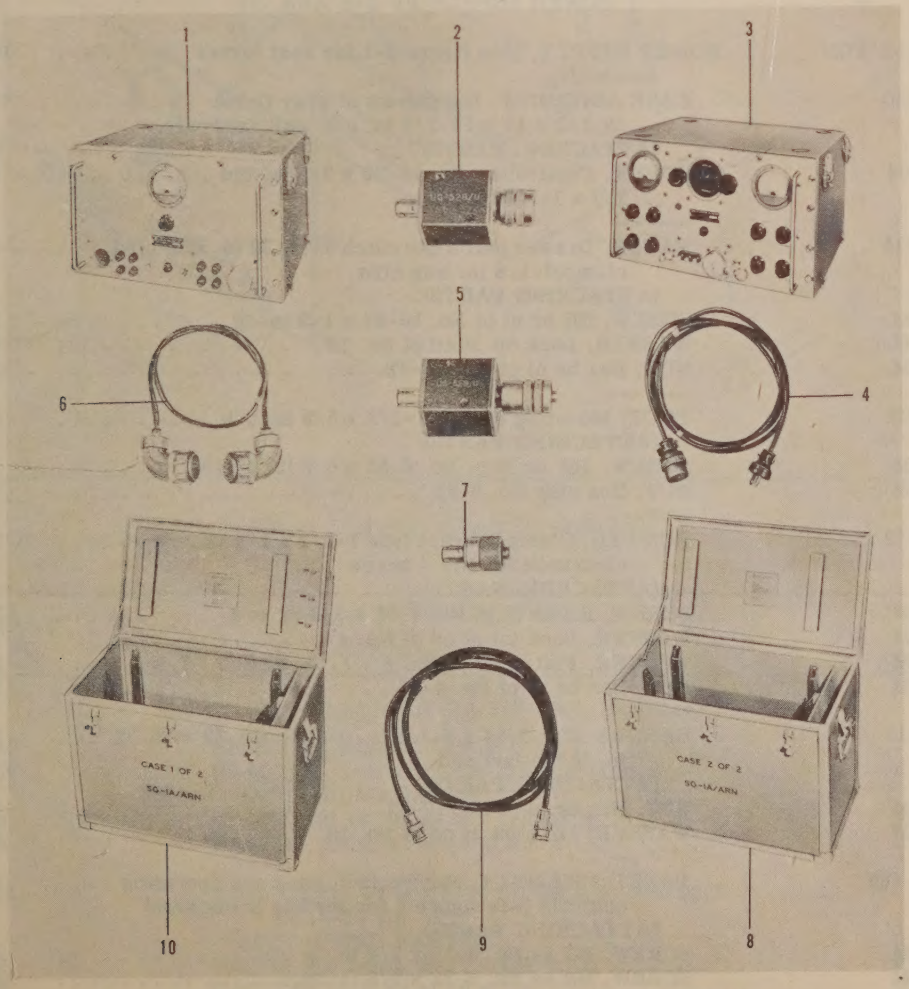

Figure 2. Signal Generator SG-1A/ARN - Installation Components

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
		SIGNAL GENERATOR SG-1A/ARN INSTALLATION COMPONENTS (cont)		
2-4	CX-237/U	. CORD ASSEMBLY, 8 ft (See figure 21 for further breakdown)	1	
-5	TA-526	. CONNECTOR ADAPTER, CG-529/U	1	
-6	CX-1290/ARN	. CABLE ASSEMBLY, 6 ft (See figure 22 for further breakdown)	1	
-7	TC-870	. CONNECTOR ADAPTER, UG-201/U	1	
-8	CY-1069/U	. CASE, Transit wood arm clad al 24 x 18-1/4 x 16-1/4	1	
-9	CG-409/U	. CABLE ASSEMBLY, 5 ft lg (see figure 23 for further breakdown)	1	
-10	CY-1068/U	. CASE, Transit wood 24 x 18-1/4 x 16-1/4	1	
		POWER SUPPLY PP-348/ARN		
3-	PP-348/ARN	. POWER SUPPLY, (See figure 2-1 for next higher assembly)	Ref	
-1	TC-850	. . CASE ASSEMBLY, Instrument al gray finish 19-1/2 x 11 x 14-1/4 in. o/a less hardware	1	
		(ATTACHING PARTS)		
-2	TS-704	. . SCREW, Captive ss No. 10-32 x 3/8 in. thd 1/2 x 1-1/32 in. o/a	8	
		---*---		
-3	TF-234	. . CATCH, Drawer pull 2 pts catch 1-15/32 in. mtg ctrs clamp 1-1/8 in. mtg ctrs	4	
		(ATTACHING PARTS)		
-4	COMM	. . SCREW, RH br ni pl No. 10-32 x 1/2 in. lg	16	
-5	COMM	. . WASHER, Lock int st cd pl No. 10	16	
-6	COMM	. . NUT, Hex br ni pl No. 10-32	32	
		---*---		
-7	TF-230	. . FOOT, Mounting rubber 1-1/2 x 5/8 in. o/a	4	
		(ATTACHING PARTS)		
-8	COMM	. . SCREW, BH br ni pl No. 8-32 x 5/8 in. lg o/a	4	
-9	COMM	. . NUT, Hex stop No. 8-32	4	
		---*---		
-10	TF-229	. . BUMPER, Clamp bracket type 1-1/2 x 1/4 in. o/a clearance for No. 4 screw	2	
		(ATTACHING PARTS)		
-11	COMM	. . SCREW, RH br ni pl No. 4-36 x 3/8 in. o/a	2	
-12	COMM	. . WASHER, Lock int st cd pl No. 4	2	
-13	COMM	. . WASHER, Flat br ni pl No. 4	2	
-14	COMM	. . NUT, Hex br ni pl No. 4-36	2	
		---*---		
-15	TH-311	. . HANDLE, Crs 5/16 x 8-1/2 in. o/a No. 10-32 x 15/32 in. lg the last end	2	
		(ATTACHING PARTS)		
-16	COMM	. . NUT, Hex br ni pl No. 10-32.	8	
-17	COMM	. . WASHER, Lock int st cd pl No. 10	4	
		---*---		
-18	TPA-485	. . PANEL ASSEMBLY, Mounts indicating and operating controls (see figure 4 for further breakdown)	1	
		(ATTACHING PARTS)		
-19	COMM	. . SCREW, BH ss No. 8-32 x 1/2 in. lg	4	
-20	COMM	. . SCREW, BH ss No. 8-32 x 5/8 in. lg	4	
-21	COMM	. . WASHER, Lock int phos br ni pl No. 8	8	
		---*---		

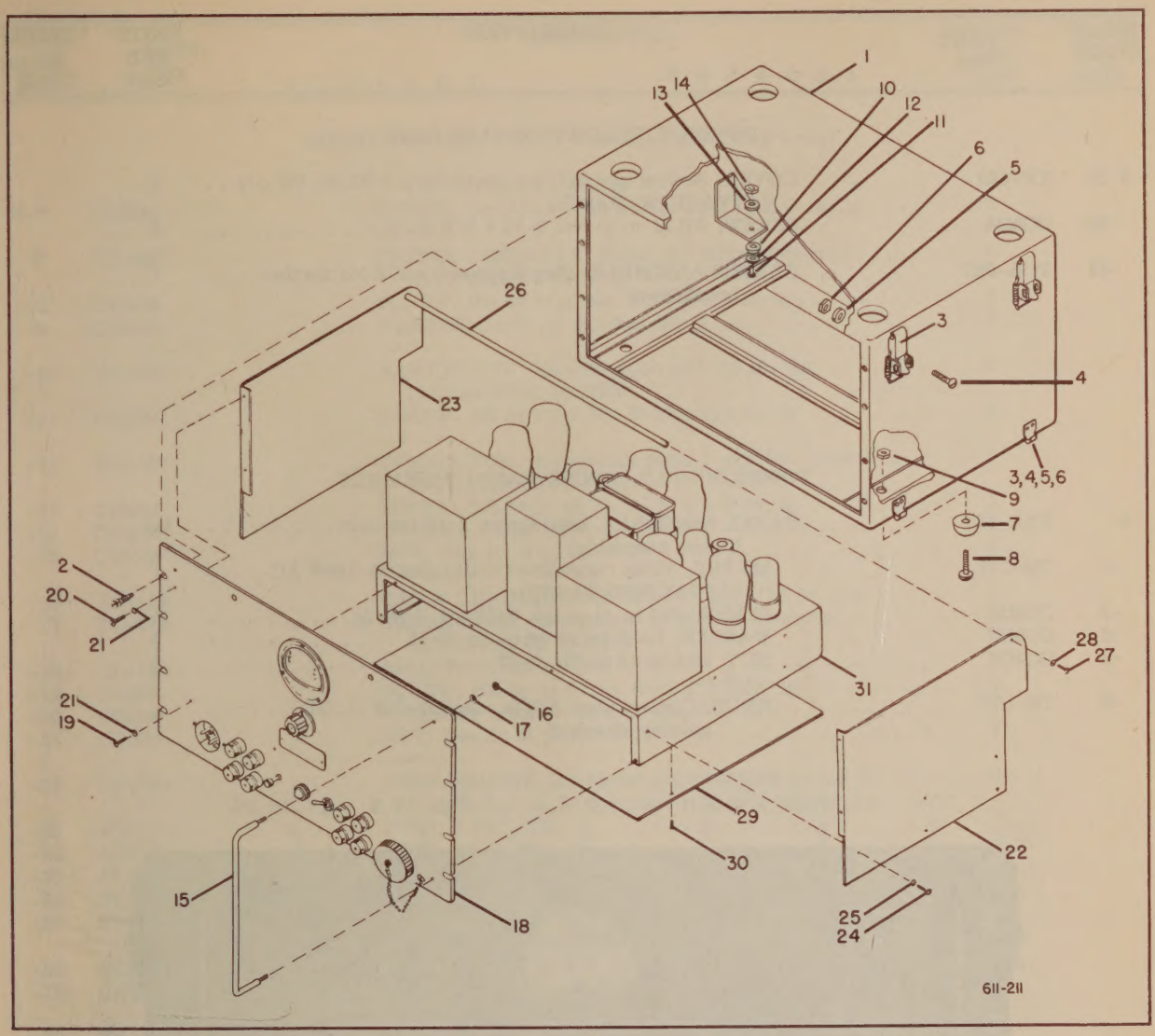

Figure 3. Power Supply PP-348/ARN

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
		POWER SUPPLY PP-348/ARN (cont)		
3-22	TB-425	. . BRACKET, Right al 12 x 8-1/2 x 3/32 in. o/a	1	
-23	TB-426	. . BRACKET, Left al 12 x 8-1/2 x 3/32 in. o/a	1	
		(ATTACHING PARTS)		
-24	COMM	. . SCREW, BH ss No. 8-32 x 1/2 in. lg	10	
-25	COMM	. . WASHER, Lock int st cd pl No. 8	10	
		---*---		
-26	TB-421	. . BAR, Tie crs 17 lg x 5/16 in. dia o/a, both ends	1	
		No. 8-32 top		
		(ATTACHING PARTS)		
-27	COMM	. . SCREW, BH ss No. 8-32 x 1/2 in. lg	2	
-28	COMM	. . WASHER, Lock int st cd pl No. 8	2	
		---*---		

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		POWER SUPPLY PP-348/ARN (cont)		
3-29	TP-483	. . COVER, Bottom al 16-7/8 x 11-15/16 x 3/32 in. thk o/a . .	1	
		(ATTACHING PARTS)		
-30	COMM	. . SCREW, FH br ni pl No. 8-32 x 3/8 in. lg	8	
		---*---		
-31	TCA-683	. . CHASSIS ASSEMBLY, (See figures 5 and 6 for further . . . breakdown)	1	
		POWER SUPPLY, FRONT PANEL ASSEMBLY		
4-	TPA-485	. . PANEL ASSEMBLY, (See figure 3-18 for next . . . . . higher assembly)	Ref	
-1	TM-179	. . . METER, Volts ruggedized calibrated 75-150V AC	1	
		(ATTACHING PARTS)		
-2	COMM	. . . SCREW, BH br ni pl No. 6-32 x 1/2 in. lg	3	
-3	COMM	. . . WASHER, Lock int st cd pl No. 6-32	3	
-4	COMM	. . . NUT, Hex st cd pl No. 6-32	3	
		---*---		
-5	TK-178	. . . KNOB, Control phen 3/8 in. shaft 1-3/8 in. OD . . . . . pointer attached	1	

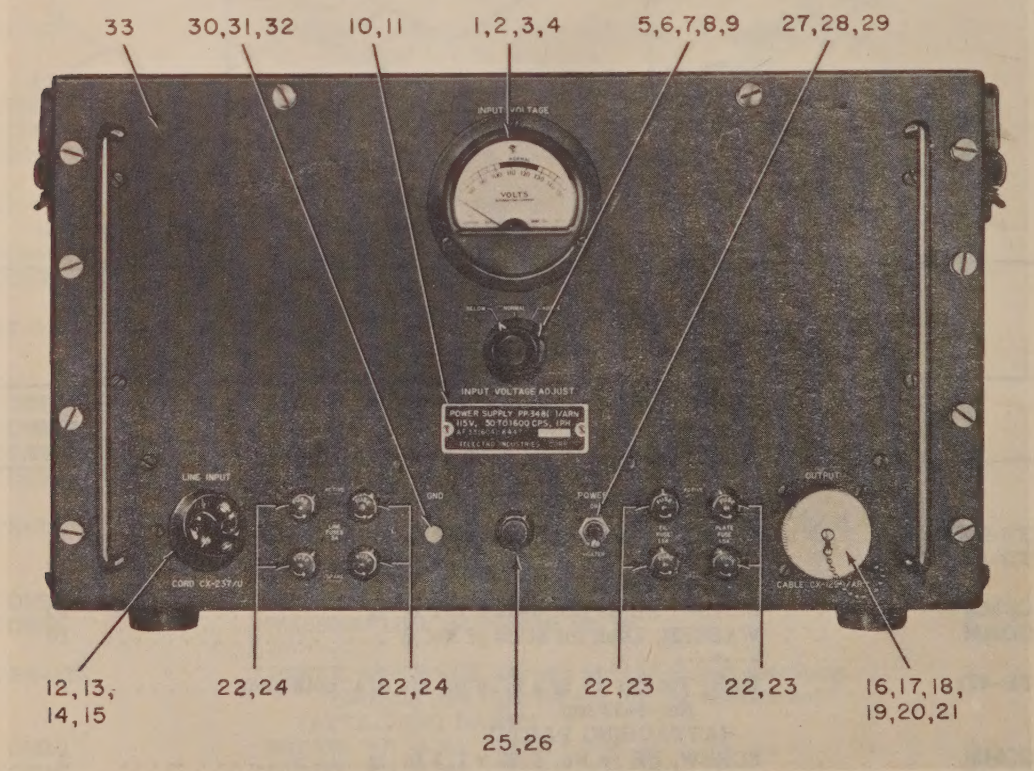

Figure 4. Power Supply Front Panel Assembly

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		POWER SUPPLY, FRONT PANEL ASSEMBLY (cont)		
		(ATTACHING PARTS)		
4-6	COMM	. . . SCREW, Set Allen st ni pl No. 10-32 x 1/4 in. lg	2	
		---*---		
-7	TS-942	. . . SWITCH ASSEMBLY, Plate and micro switches	1	
		(ATTACHING PARTS)		
-8	COMM	. . . SCREW, BH br ni pl No. 4-40 x 1/4 in. lg	3	
-9	COMM	. . . WASHER, Lock int st cd pl No. 4.	3	
		---*---		
-10	TN-225	. . . NAMEPLATE, Identification al 1/16 in. thk	1	
		(ATTACHING PARTS)		
-11	COMM	. . . SCREW, BH br ni pl No. 2-56 x 1/4 in. lg	2	
		---*---		
-12	TR-487	. . . CONNECTOR, Receptacle male 2 parallel blades	1	
		(ATTACHING PARTS)		
-13	COMM	. . . SCREW, BH br ni pl No. 6-32 x 5/8 in. lg	2	
-14	COMM	. . . WASHER, Lock int st ni pl No. 6	2	
-15	COMM	. . . NUT, Hex br ni pl No. 6-32	2	
		---*---		
-16	TC-836	. . . CAP & CHAIN ASSEMBLY, 1-7/8 x 7/16 in. o/a	1	
-17	TC-874	. . . CONNECTOR, Receptacle 10 female contacts	1	
		(ATTACHING PARTS)		
-18	TL-232	. . . LUG, Terminal int No. 6	1	
-19	COMM	. . . SCREW, BH br ni pl No. 6-32 x 5/8 in. lg	4	
-20	COMM	. . . WASHER, Lock int st ni pl No. 6	3	
-21	COMM	. . . NUT, Hex br ni pl No. 6-32	8	
		---*---		
-22	TF-208	. . . FUSE HOLDER, Extractor type bakelite 11/16 dia	8	
		x 2-3/8 in. lg complete with mtg hdwre		
-23	AGC-1.5	. . . FUSE, 1.5A (BUS)	4	
-24	AGC-3	. . . FUSE, 3A (BUS)	4	
-25	47	. . . LAMP, Inc (GEK)	1	
-26	TC-228	. . . LIGHT, Ind red lens	1	
-27	ST52N	. . . SWITCH, Toggle dpdt (JAN-S-23A)	1	
		(ATTACHING PARTS)		
-28	COMM	. . . WASHER, Flat st 3/8	1	
-29	COMM	. . . NUT, Hex br cd pl 3/8-32	1	
		---*---		
-30	TP-458	. . . POST, Binding br ni pl non-removable knurled	1	
		top 21/32 x 3/8 in. o/a		
		(ATTACHING PARTS)		
-31	COMM	. . . SCREW, BH br ni pl No. 6-32 x 5/16 in.	1	
-32	TL-232	. . . LUG, Terminal int No. 6	1	
		---*---		
-33	TP-485	. . . PANEL, Al 19 x 10-15/32 x 3/16 in. thk o/a	1	
		POWER SUPPLY CHASSIS ASSEMBLY		
5-	TCA-683	. . CHASSIS ASSEMBLY, Bottom view power supply (see	Ref	
		figure 3-31 for next higher assembly)		
-1	CP53B1EF104V	. . . CAPACITOR, Fixed paper 0.1 uf ±20% -10%	4	
		600 VDC (MIL-C-25)		
		(ATTACHING PARTS)		
-2	COMM	. . . SCREW, BH br ni pl No. 6-32 x 5/16 in. lg	8	
-3	COMM	. . . WASHER, Lock int st cd pl No. 6.	8	
-4	COMM	. . . NUT, Hex br ni pl No. 6-32	8	
		---*---		

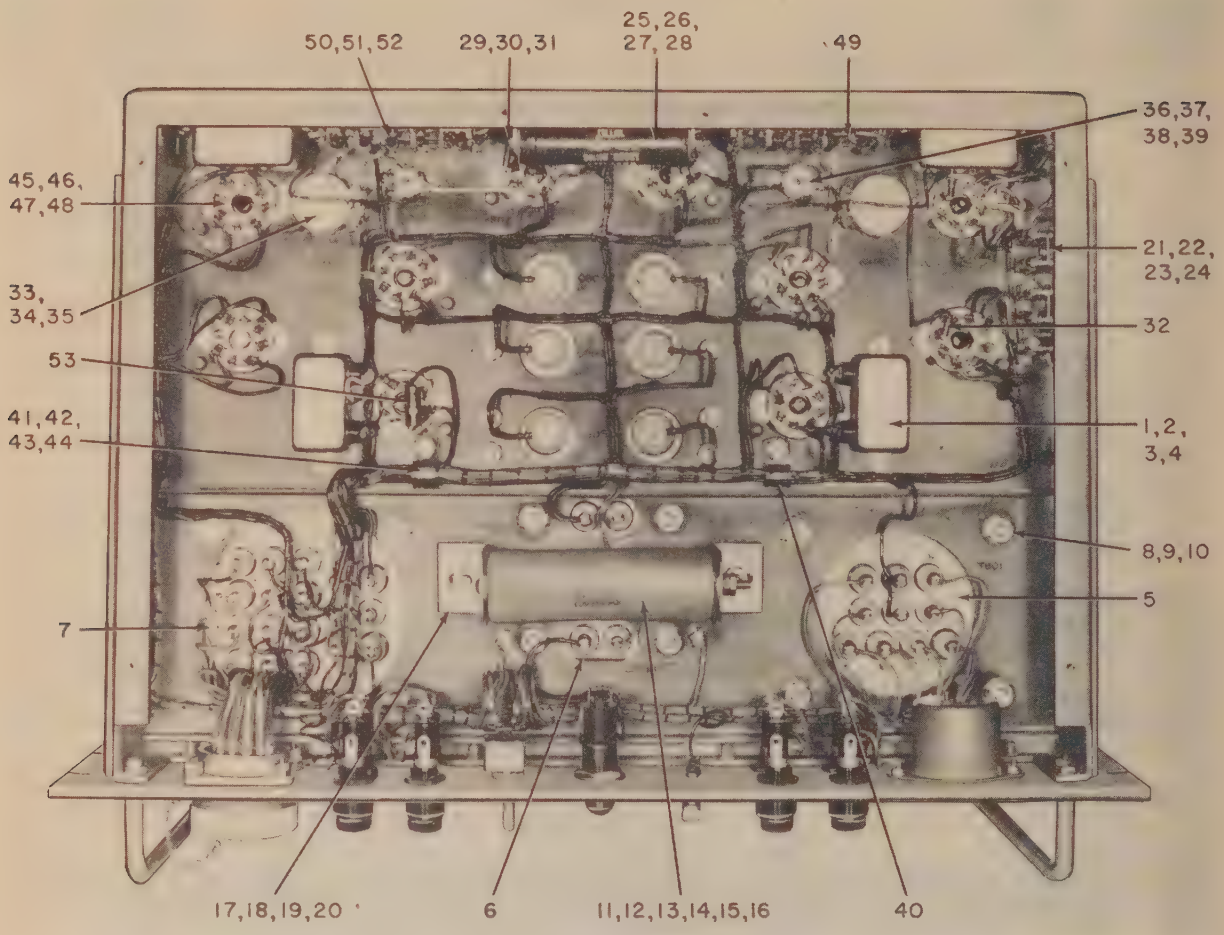

Figure 5. Power Supply Chassis Assembly - Bottom View

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
		POWER SUPPLY CHASSIS ASSEMBLY (cont)		
5-5	TP-456	. . . TRANSFORMER, Plate 5-1/2 x 5-1/8 x 4-3/8 in. . . . . o/a less terms 10 terminals	1	
-6	TC-821	. . . CHOKE, Filter dual 5-1/2 x 3-3/8 x 3-1/8 in. . . . . o/a less terms 4 terminals	1	
-7	TF-228	. . . TRANSFORMER, Filament 5-1/2 x 5-1/8 x 4-3/8 . . . . in. o/a 18 terminals	1	
		(ATTACHING PARTS)		
-8	TS-943	. . . SUPPORT, Transformer 16-1/4 x 4-9/16 x 3/32 . . . . . in. o/a	1	
-9	COMM	. . . WASHER, Lock split st ni pl 1/4 in.	12	
-10	COMM	. . . NUT, Hex br ni pl 1/4-20	24	
		---*---		
-11	RW36F401	. . . RESISTOR, Fixed ww 400 ohms ±5% 60 W . . . . . (JAN-R-26)	1	
		(ATTACHING PARTS)		
-12	COMM	. . . SCREW, RH st cd pl No. 10-32 x 4-5/8 in. lg	1	
-13	COMM	. . . WASHER, Lock split cd pl No. 10	1	

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		POWER SUPPLY CHASSIS ASSEMBLY (cont)		
5-14	COMM	. . . WASHER, Flat bakelite 1-5/16 x 7/8 in.	2	
-15	COMM	. . . WASHER, Dished st cd pl 1-3/16 x .2 in.	2	
-16	COMM	. . . NUT, Hex st cd pl No. 10-32	2	
		---*---		
-17	TB-488	. . . BRACKET, Resistor 2-1/8 x 1-1/4 in.	2	
		(ATTACHING PARTS)		
-18	COMM	. . . SCREW, RH br ni pl 1/4-20 x 3/4 in. lg	2	
-19	COMM	. . . WASHER, Lock split st ni pl 1/4 in.	2	
-20	COMM	. . . NUT, Hex br ni pl 1/4-20	4	
		---*---		
-21	RC40BF103J	. . . RESISTOR, Fixed comp 10,000 ohms ±5% 2 W (JAN-R-11)	5	
-22	TT-450	. . . BOARD, Terminal syn 10 terms 2-1/8 x 2-1/4 x 1/8 in. thk o/a 10 terms	1	
		(ATTACHING PARTS)		
-23	COMM	. . . SCREW, BH br ni pl No. 6-32 x 3/8	2	
-24	COMM	. . . WASHER, Lock int st ni pl No. 6	2	
		---*---		
-25	RW34H123	. . . RESISTOR, Fixed ww 12,000 ohms ±5% 17W (JAN-R-26)	1	
		(ATTACHING PARTS)		
-26	COMM	. . . SCREW, RH br ni pl No. 10-32 x 3-5/8 in. lg	1	
-27	COMM	. . . WASHER, Flat st ni pl No. 10	2	
-28	COMM	. . . NUT, Hex br ni pl No. 10-32	2	
		---*---		
-29	TB-416	. . . BRACKET, Resistor br ni pl 1-1/8 x 1/2 x 15/16 in. o/a	2	
		(ATTACHING PARTS)		
-30	COMM	. . . SCREW, BH br ni pl No. 6-32 x 5/16 in. lg	2	
-31	COMM	. . . WASHER, Lock int st ni pl No. 6	2	
		---*---		
-32	RC20BF471J	. . . RESISTOR, Fixed comp 470 ohms ±5% 1/2 W (JAN-R-11)	4	
-33	TR-483	. . . RESISTOR, Variable comp 50,000 ohms ±10% 2 W	2	
		(ATTACHING PARTS)		
-34	COMM	. . . NUT, Hex br ni pl 3/8-32.	2	
-35	COMM	. . . WASHER, Lock int st cd pl 3/8 in.	2	
		---*---		
-36	TSE7T102	. . . SOCKET, Tube 7 pin min ceramic ber copper (JAN-S-28A)	2	
		(ATTACHING PARTS)		
-37	COMM	. . . SCREW, BH br ni pl No. 4-36 x 5/16 in. lg	4	
-38	COMM	. . . WASHER, Lock int st cd pl No. 4.	4	
-39	COMM	. . . NUT, Hex br ni pl No. 4-36	4	
		---*---		
-40	TC-878	. . . CLAMP, Cable 1.084 x 1/2 in. o/a	1	
-41	TC-851	. . . CLAMP, Cable	1	
		(ATTACHING PARTS)		
-42	COMM	. . . SCREW, BH br ni pl No. 8-32 x 1/2 in. lg	2	
-43	COMM	. . . WASHER, Lock int st cd pl No. 8	2	
-44	COMM	. . . NUT, Hex br ni pl No. 8-32	2	
		---*---		
-45	TS-877	. . . SOCKET, Tube octal ceramic 7/8 x 1-1/2 in. o/a	10	
		(ATTACHING PARTS)		
-46	COMM	. . . SCREW, BH br ni pl No. 6-32 x 5/16 in. lg	20	
-47	COMM	. . . WASHER, Lock int st cd pl No. 6.	20	
-48	COMM	. . . NUT, Hex br ni pl No. 6-32	20	
		---*---		
-49	TA-488	. . . RESISTOR AND CAPACITOR ASSEMBLY, (See figure 7 for further breakdown)	1	

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		POWER SUPPLY CHASSIS ASSEMBLY (cont)		
5-50	TA-495	. . . RESISTOR AND CAPACITOR ASSEMBLY, (See figure 8 for further breakdown)	1	
		(ATTACHING PARTS)		
-51	COMM	. . . SCREW, BH br ni pl No. 6-32 x 3/8 in. lg	6	
-52	COMM	. . . WASHER, Lock int br ni pl No. 6. ---*---	6	
-53	RC40BF101J	. . . RESISTOR, Fixed comp 100 ohms ±5% 2 W (JAN-R-11)	1	
		CHASSIS ASSEMBLY, TOP VIEW		
6-	TCA-683	. . CHASSIS ASSEMBLY, Top view (see figure 3-31 for next higher assembly)	Ref	
-1	5Y3GT	. . . TUBE, Electron (MIL-E-1A)	1	
-2	5R4GY	. . . TUBE, Electron (MIL-E-1A)	1	
-3	TB-402	. . . TUBE, Thermal	1	
-4	0A3	. . . TUBE, Electron (MIL-E-1A)	2	

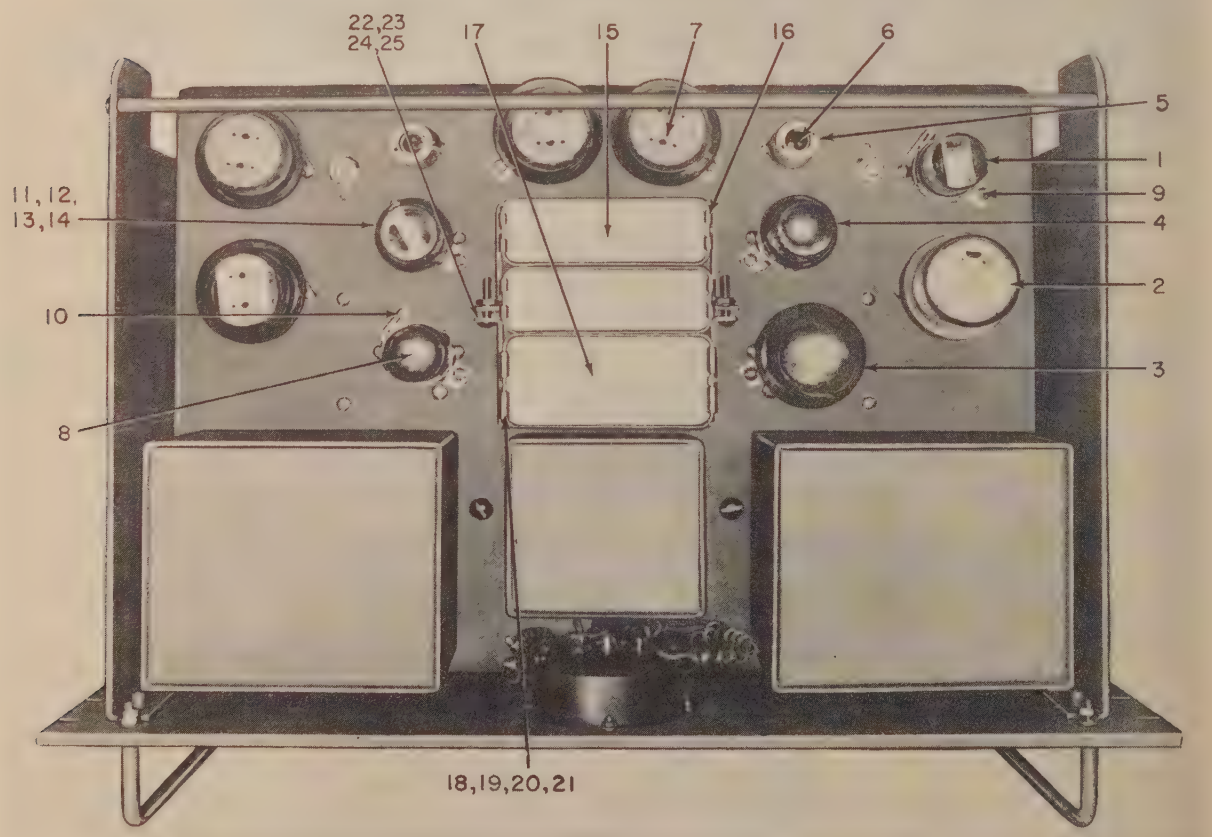

Figure 6. Chassis Assembly - Top View

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		CHASSIS ASSEMBLY, TOP VIEW (cont)		
6-5	TS102U02	. . . SHIELD, Tube (JAN-S-28A)	2	
-6	5AU6	. . . TUBE, Electron (MIL-E-1A)	2	
-7	6B4G	. . . TUBE, Electron (MIL-E-1A)	4	
-8	TR-505	. . . RELAY, Thermal	1	
-9	TC-740-1	. . . CLAMP, Tube	6	
-10	TC-740	. . . CLAMP, Tube	2	
-11	TC-740-2	. . . CLAMP, Tube	2	
		(ATTACHING PARTS)		
-12	COMM	. . . SCREW, BH br ni pl No. 6-32 x 7/16 in. lg	10	
-13	COMM	. . . WASHER, Flat st cd pl No. 6	10	
-14	COMM	. . . WASHER, Lock ext st cd pl No. 6	10	
		---*---		
-15	CP70E1EF405V	. . . CAPACITOR, Fixed paper 4 uf 1000 VDCW (MIL-C-5)	2	
-16	TB-397	. . . BRACKET, Capacitor mounting	4	
-17	CP70E1EF106V	. . . CAPACITOR, Fixed paper 10 uf 600 VDCW (MIL-C-5)	1	
-18	TB-396	. . . BRACKET, Capacitor mounting	2	
		(ATTACHING PARTS)		
-19	COMM	. . . SCREW, BH br ni pl No. 8-32 x 1/2 in. lg	8	
-20	COMM	. . . WASHER, Lock int st cd pl No. 8	8	
-21	COMM	. . . NUT, Hex br ni pl No. 8	16	
		---*---		
-22	TC-858	. . . CLAMP, Capacitor br 2-1/16 x 5 x 3/4 in. wd o/a	2	
		(ATTACHING PARTS)		
-23	COMM	. . . SCREW, RH br ni pl No. 10-32 x 7/8 in. lg	2	
-24	COMM	. . . WASHER, Lock int st cd pl No. 10	2	
-25	COMM	. . . NUT, Hex br ni pl No. 10-32	4	
		---*---		
		RESISTOR AND CAPACITOR ASSEMBLY		
7-	TA-488	. . . RESISTOR AND CAPACITOR ASSEMBLY, (See figure 5-49 for next higher assembly)	Ref	
-1	RC30BF474J	. . . . RESISTOR, Fixed comp 470,000 ohms ±5% 1 W (JAN-R-11)	1	
-2	RC30BF154J	. . . . RESISTOR, Fixed comp 150 ohms ±5% 1 W (JAN-R-11)	2	
-3	RC40BF474J	. . . . RESISTOR, Fixed comp 470,000 ohms ±5% 2 W (JAN-R-11)	1	
-4	RC40BF154J	. . . . RESISTOR, Fixed comp 150,000 ohms ±5% 1 W (JAN-R-11)	2	
-5	RC30BF105J	. . . . RESISTOR, Fixed comp 1,000,000 ohms ±5% 1 W (JAN-R-11)	1	
-6	CP53B1EF104V	. . . . CAPACITOR, Fixed paper 0.1 uf, 600 VDCW (MIL-C-5)	1	
		(ATTACHING PARTS)		
-7	COMM	. . . . SCREW, BH br ni pl No. 6-32 x 5/16 in. lg	2	
-8	COMM	. . . . WASHER, Lock int st cd pl No. 6	2	
-9	COMM	. . . . NUT, Hex br ni pl No. 6-32	2	
		---*---		
-10	TT-452	. . . . BOARD, Terminal 2-1/4 x 6 x 1/8 in. thk 14 terms	1	

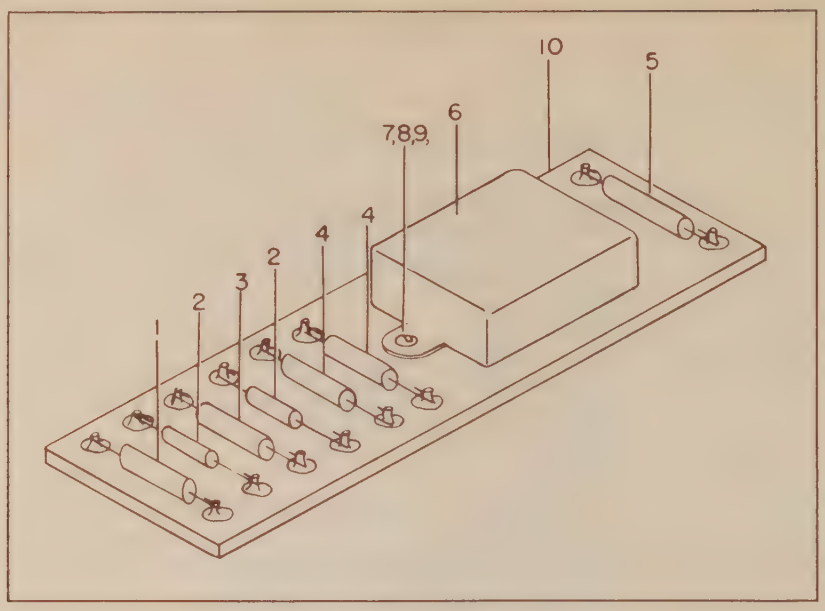

Figure 7. Resistor and Capacitor Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
		RESISTOR AND CAPACITOR ASSEMBLY		
8-	TA-495	. . . RESISTOR AND CAPACITOR ASSEMBLY, (See figure 5-50 for next higher assembly)	Ref	
-1	RC30BF684J	. . . . RESISTOR, Fixed comp 680,000 ohms ±5% 1 W (JAN-R-11)	1	

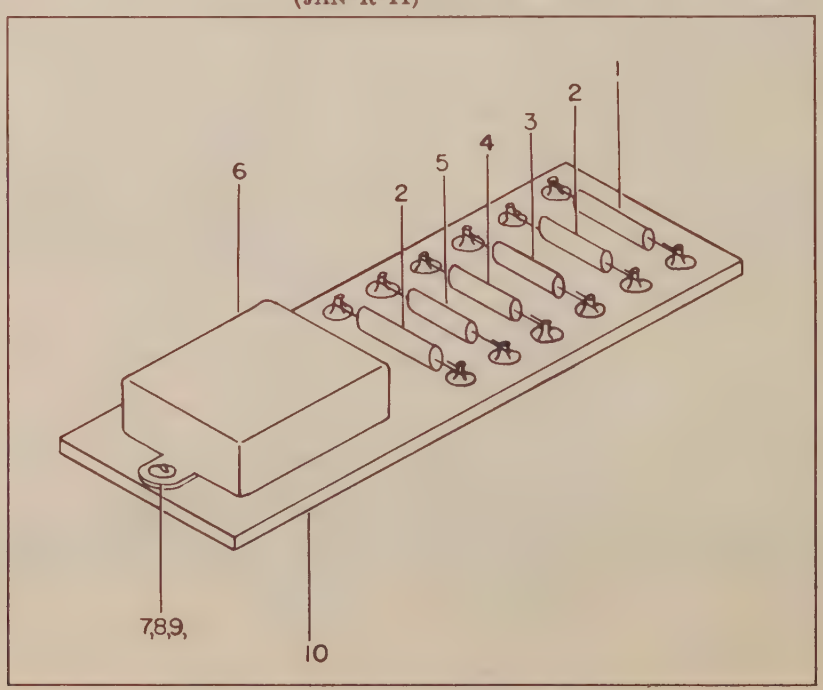

Figure 8. Resistor and Capacitor Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
		RESISTOR AND CAPACITOR ASSEMBLY (cont)		
8-2	RC40BF334J	. . . . RESISTOR, Fixed comp 330,000 ohms ±5% 2 W . . . . (JAN-R-11)	2	
-3	RC30BF124J	. . . . RESISTOR, Fixed comp 120,000 ohms ±5% 2 W . . . . (JAN-R-11)	1	
-4	RC30BF474J	. . . . RESISTOR, Fixed comp 150,000 ohms ±5% 1 W . . . . (JAN-R-11)	1	
-5	RC30BF154J	. . . . RESISTOR, Fixed comp 150,000 ohms ±5% 1 W . . . . (JAN-R-11)	1	
-6	CP53B1EF104V	. . . . CAPACITOR, Fixed paper 0.1 uf 600 VDCW . . . . . (MIL-C-5)	1	
		(ATTACHING PARTS)		
-7	COMM	. . . . SCREW, BH br ni pl No. 6-32 x 5/16 in. lg	2	
-8	COMM	. . . . WASHER, Lock int st cd pl No. 6.	2	
-9	COMM	. . . . NUT, Hex br ni pl No. 6-32 . . . . . ---*---	2	
-10	TT-452	. . . . BOARD, Terminal 2-1/4 x 6 x 1/8 in. thk . . . . . 11 terms	1	
		SIGNAL GENERATOR SG-1A/ARN, CASE AND CHASSIS		
9-	SG-1A/ARN	. SIGNAL GENERATOR SG-1A/ARN CASE AND CHASSIS, ... (See figure 2-3 for next higher assembly)	Ref	
-1	TC-850	. . CASE ASSEMBLY, Instrument al gray finish 19-1/2 x . . . 11 x 14-1/4 in. o/a less h'dware	1	
		(ATTACHING PARTS)		
-2	TS-704	. . SCREW, Captive ss No. 10-32 x 3/8 in. thd 1/2 x . . . . . 1-1/32 in. o/a knurl 1/2 x 1/4 in. o/a ---*---	8	
-3	TF-234	. . CATCH, Draw pull 2 parts catch 1 x 15/32 in. c to c . . . . clamp 1-1/8 in. c to c	4	
		(ATTACHING PARTS)		
-4	COMM	. . SCREW, RH br ni pl No. 10-32 x 1/2 in.	16	
-5	COMM	. . WASHER, Lock int st cd pl No. 10	16	
-6	COMM	. . NUT, Hex br ni pl No. 10-32 . . . . . ---*---	32	
-7	TF-230	. . FOOT, Mounting rubber 1-1/2 x 5/8 in. o/a . . . . . (ATTACHING PARTS)	4	
-8	COMM	. . SCREW, BH br ni pl No. 8-32 x 5/8 in.	4	
-9	COMM	. . NUT, Hex stop No. 8-32 . . . . . ---*---	4	
-10	TF-229	. . BUMPER, Clamp bracket 1-1/2 x 1/4 in. . . . . (ATTACHING PARTS)	2	
-11	COMM	. . SCREW, RH br ni pl No. 4-36 x 3/8 in.	2	
-12	COMM	. . WASHER, Lock int st cd pl No. 4	2	
-13	COMM	. . WASHER, Flat br ni pl No. 4	2	
-14	COMM	. . NUT, Hex br ni pl No. 4-36 . . . . . ---*---	2	
-15	TH-311	. . HANDLE, Cps 5/16 x 8-1/2 in. o/a No. 10-32 x 15/32 . . . in. thd both ends	2	
		(ATTACHING PARTS)		
-16	COMM	. . WASHER, Lock int st cd pl No. 10	4	
-17	COMM	. . NUT, Hex brs ni pl No. 10-32 . . . . . ---*---	8	
-18	TK-175	. . KNOB, Control with crank handle 1-5/8 x 1-3/16 x . . . . . 3/4 in. o/a	1	

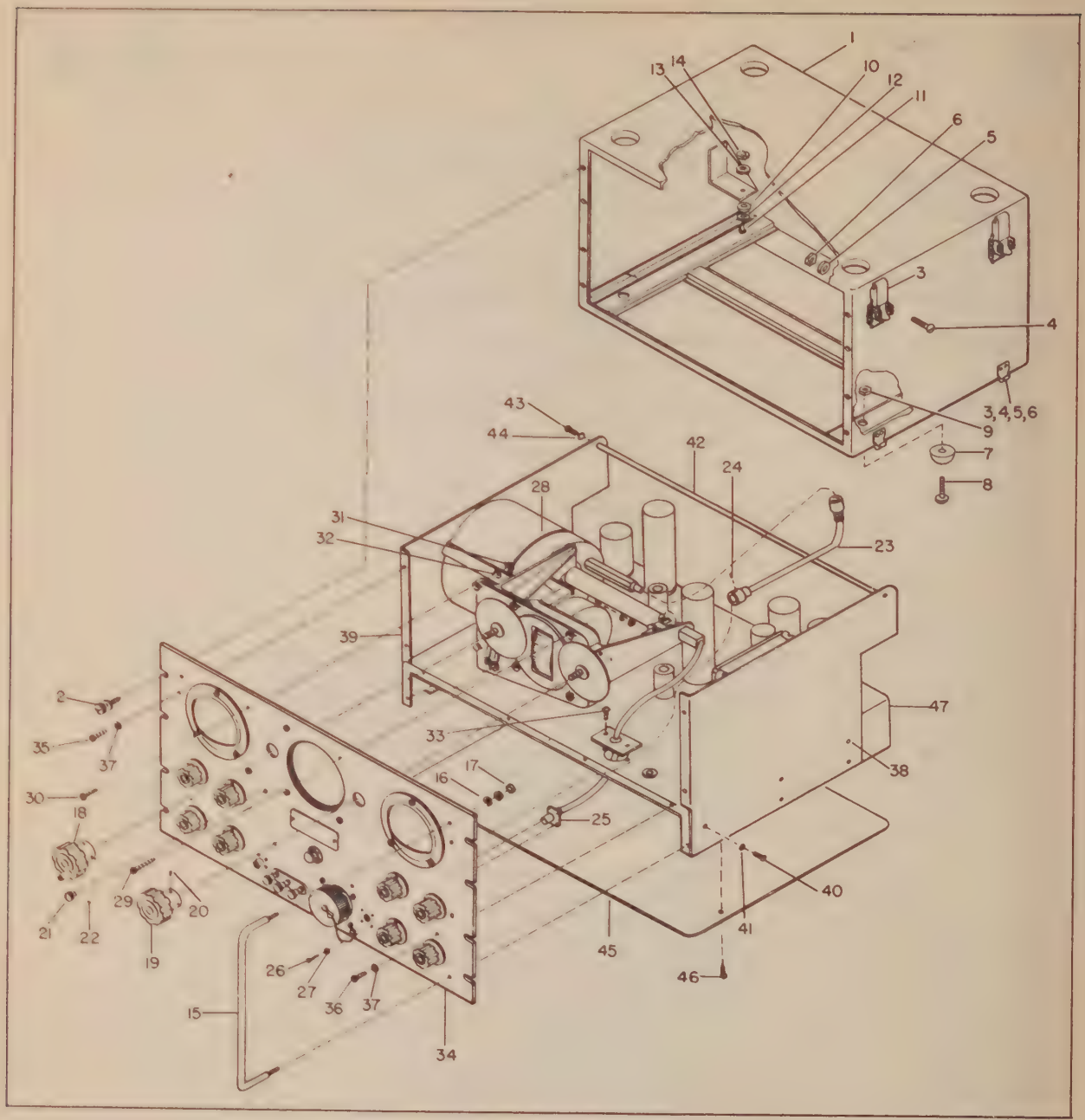

Figure 9. Signal Generator SG-1A/ARN - Case and Chassis

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
		SIGNAL GENERATOR SG-1A/ARN, CASE AND CHASSIS (cont)		
9-19	TK-174	. . KNOB, Control 1-5/8 x 1-3/16 x 3/4 in. o/a	1	
		(ATTACHING PARTS)		
-20	COMM	. . SCREW, Set Allen st cd pl No. 10-32 x 3/8 in.	4	
		---*---		

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		SIGNAL GENERATOR SG-1A/ARN, CASE AND CHASSIS (cont)		
9-21	TK-176	. . KNOB, Lock dual 1-1/32 x 7/16 in. o/a No. 6-32 x 3/16 in. lg	1	
		(ATTACHING PARTS)		
-22	COMM	. . SCREW, Set Allen st cd pl No. 6-32 x 1/8 in. lg	1	
		---*---		
-23	TA-240	. . SHAFT, Flexible monel 7-1/4 x .150 in. wd	1	
		(ATTACHING PARTS)		
-24	COMM	. . SCREW, Set Allen st cd pl No. 8-32 x 1/8 in. o/a	4	
		---*---		
-25	UG-291/U	. . CONNECTOR, Female one contact with cap and chain CW-123/U (MIL-C-3608)	1	
		(ATTACHING PARTS)		
-26	COMM	. . SCREW, BH br ni pl No. 3-56 x 5/16 in. lg	5	
-27	COMM	. . WASHER, Lock int phos br ni pl No. 3	5	
		---*---		
-28	TA-575	. . R.F. UNIT, Complete assembly (see figures 10 through 13 for further breakdown)	1	
		(ATTACHING PARTS)		
-29	COMM	. . SCREW, BH ss No. 10-32 x 1 in. lg	4	
-30	COMM	. . SCREW, BH ss No. 10-32 x 3/4 in.	2	
-31	COMM	. . WASHER, Lock int phos br ni pl No. 10	5	
-32	COMM	. . NUT, Hex br ni pl No. 10-32	5	
-33	COMM	. . SCREW, BH br ni pl No. 6-32 x 3/8 in. lg	2	
		---*---		
-34	TPA-484	. . PANEL ASSEMBLY, Mounts indicating and operating controls (see figure 14 for further breakdown)	1	
		(ATTACHING PARTS)		
-35	COMM	. . SCREW, BH ss No. 8-32 x 1/2 in. lg	4	
-36	COMM	. . SCREW, BH ss No. 8-32 x 5/8 in. lg	4	
-37	COMM	. . WASHER, Lock int phos br ni pl No. 8	8	
		---*---		
-38	TB-426	. . BRACKET, Left al 12 x 8-1/2 x 3/32 in. o/a	1	
-39	TB-425	. . BRACKET, Right al 12 x 8-1/2 x 3/32 in. o/a	1	
		(ATTACHING PARTS)		
-40	COMM	. . SCREW, BH br ni pl No. 8-32 x 1/2 in. lg	10	
-41	COMM	. . WASHER, Lock int st cd pl No. 8	10	
		---*---		
-42	TB-421	. . BAR, Tie crs 17 lg by 5/16 in. dia o/a No. 8-32 x 1/2 in. top both ends	1	
		(ATTACHING PARTS)		
-43	COMM	. . SCREW, BH br ni pl No. 8-32 x 1/2 in. lg	2	
-44	COMM	. . WASHER, Lock int st cd pl No. 8	2	
		---*---		
-45	TP-483	. . COVER, Bottom al 16-7/8 x 11-15/16 x 3/32 in. o/a	1	
		(ATTACHING PARTS)		
-46	COMM	. . SCREW, FH br ni pl No. 6-32 x 3/8 in. lg o/a	8	
		---*---		
-47	TCA-866	. . CHASSIS ASSEMBLY, (See figures 15 through 20 for further breakdown)	1	
		RF UNIT - COMPLETE ASSEMBLY		
10-	TA-575	. . RF UNIT, Complete assembly (see figure 9-28 for next higher assembly)	Ref	
-1	TC-861	. . . CLAMP, Br 5-1/8 x 5-1/4 wd x 1/16 in. thk o/a	1	
		(ATTACHING PARTS)		
-2	COMM	. . . SCREW, RH br ni pl No. 6-32 x 1/2 in. lg	2	

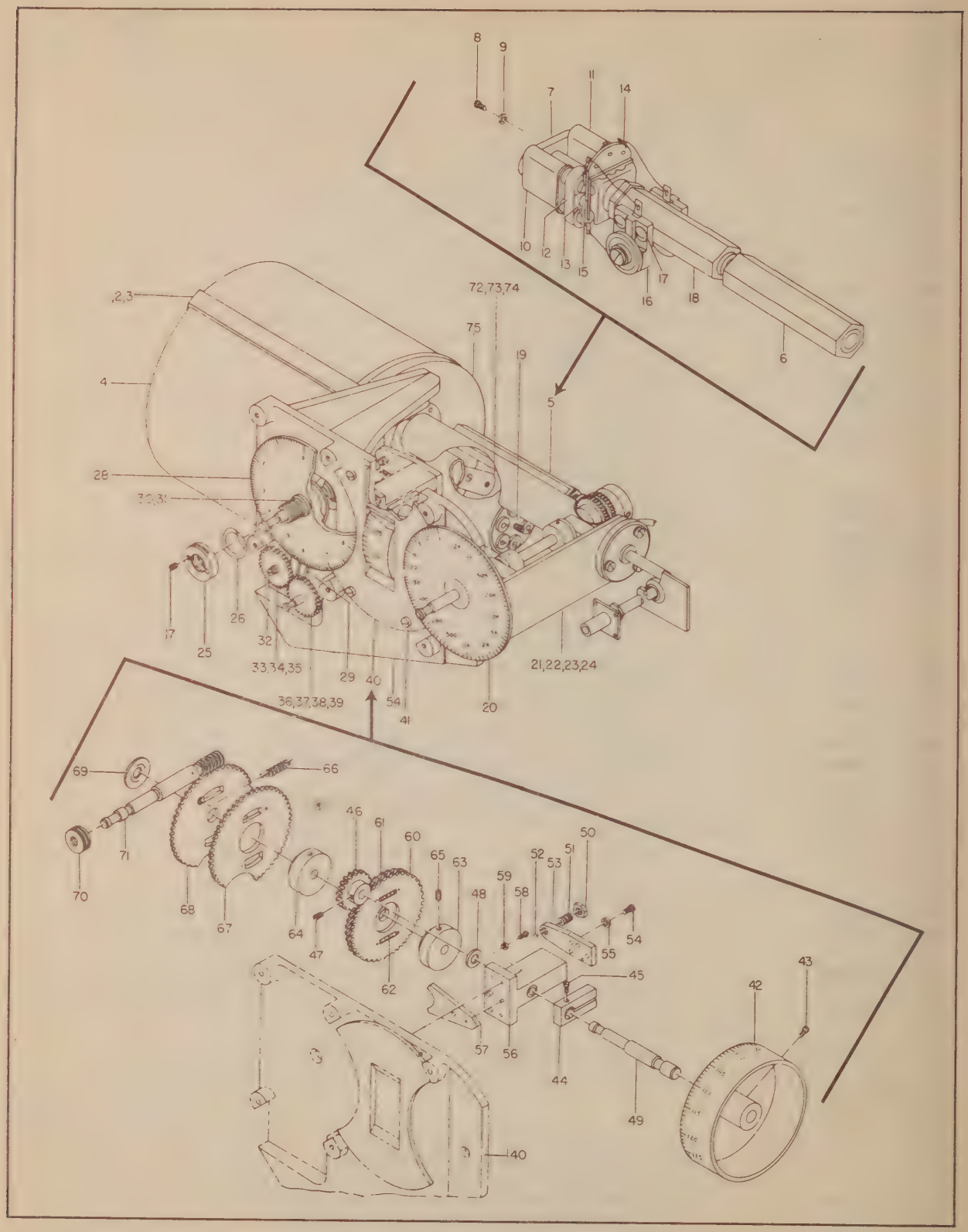

Figure 10. RF Unit - Complete Assembly.

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
		RF UNIT - COMPLETE ASSEMBLY (cont)		
10-3	COMM	NUT, Hex br ni pl No. 6-32 x 1/4 in.	2	
		---*---		
-4	TS-685	CAN, Shield al 5-3/16 x 5-1/8 x .032 in.	1	
-5	TA-519	CRYSTAL MOUNTING AND SWITCH ASSEMBLY	1	
-6	TH-364	. HOUSING, Outer br ni pl hex 1/2 x 3-7/8 in. o/a	1	
-7	TS-872	. STRAP, Clamp syn 1/2 x 1-1/8 x 1/8 in. o/a	1	
		(ATTACHING PARTS)		
-8	COMM	. SCREW, BH br ni pl No. 6-32 x 5/16 in. lg	1	
-9	COMM	. WASHER, Lock phos br ni pl No. 6	1	
		---*---		
-10	CR-18/U	. CRYSTAL, 13-7625 MC (MIL-C-3098A)	1	
-11	CR-18/U	. CRYSTAL, 14-3625 MC (MIL-C-3098A)	1	
-12	9006	. SOCKET, (EBY)	2	
-13	TS-912	. SUPPORT ASSEMBLY	1	
-14	TS-880	. SWITCH, SPDT shorting type	1	
-15	TI-199	. INSERT, Br ni pl .296 lg x 3/16 in. dia No. 4-36 thd	2	
-16	CV11A120	. CAPACITOR, Variable ceramic 3-12 uuf (JAN-C-81)	2	
		(ATTACHING PARTS)		
-17	COMM	. SCREW, RH br ni pl No. 4-36 x 1/4 in.	4	
		---*---		
-18	TH-360	. HOUSING, Inner br ni pl hex 1/2 x 2-11/32 in. lg	1	
-19	TF-235	FILTER ASSEMBLY, (See figure 11 for further breakdown)	1	
-20	TD-196	DIAL, Attenuator dur 3-1/8 in. OD	1	
-21	TA-534	ATTENUATOR ASSEMBLY, (See figure 12 for further breakdown)	1	
		(ATTACHING PARTS)		
-22	COMM	SCREW, RH br ni pl No. 6-32 x 5/16 in.	6	
-23	COMM	WASHER, Lock int ber cop ni pl No. 6	6	
-24	COMM	WASHER, Foil .005 x .760 x 29/32 in.	1	
		---*---		
-25	TC-855	COLLAR, Lock crs blk ni pl 13/16 x 3/16 in. o/a	1	
		(ATTACHING PARTS)		
-26	TW-244	WASHER, Spring 3/4 x .501 x 3/32 in.	1	
-27	COMM	SCREW, Set Allen st cd pl No. 4-36 x 1/8 in.	3	
		---*---		
-28	TD-194	DIAL, Vernier dur 3-2187 No. 62 in. thk	1	
-29	TC-849	CLAMP, Dial lock br 3-9/32 x .072	1	
-30	TH-358	HUB, Br ni pl 5/8 x .406 in. o/a	1	
		(ATTACHING PARTS)		
-31	COMM	SCREW, Set Allen st No. 4-36 x 1/8 in. lg	2	
		---*---		
-32	TS-917	STUD, Dial lock br No. 8-32 tap	1	
-33	TA-532	CAM AND GEAR ASSEMBLY	1	
		(ATTACHING PARTS)		
-34	COMM	SCREW, BH br ni pl No. 8-32 x 3/8 in.	1	
-35	COMM	WASHER, Flat br ni pl 1/2 in.	1	
		---*---		
-36	TA-531	CAM SHAFT ASSEMBLY, SS 1.718 x 2.496 in. o/a	1	
		(ATTACHING PARTS)		
-37	TW-283	WASHER, Ber cop 13/32 x .261 x .062 x .008 in.	1	
-38	COMM	WASHER, Flat br ni pl 1/2 x .14 x .04 in. thk o/a	1	
-39	TW-286	WASHER, U br 11/32 x 3/16 x .032 in. o/a	1	
		---*---		
-40	TP-380	DIAL PLATE, Al special	1	
		(ATTACHING PARTS)		
-41	COMM	SCREW, BH br blk ni pl No. 4-36 x 1/4 in.	4	
		---*---		

FIG. & INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		RF UNIT - COMPLETE ASSEMBLY (cont)		
10-42	TD-168	DIAL, Drum al 3 x 2-3/4 x 11/16 in. o/a	1	
		(ATTACHING PARTS)		
-43	COMM	SCREW, BH br blk ni pl No. 10-32 x 1/2 in.	1	
		---*---		
-44	TA-520	ARM, Stop br 1-1/16 x 1/2 x 1/3 in. o/a	1	
		(ATTACHING PARTS)		
-45	COMM	SCREW, BH br ni pl No. 6-32 x 1/2 in. ea o/a	1	
		---*---		
-46	TG-315	GEAR, Spur br ni pl 54T	1	
		(ATTACHING PARTS)		
-47	COMM	SCREW, Set Allen st ni pl No. 8-32 x 1/8 in. lg	2	
		---*---		
-48	COMM	WASHER, Flat No. 8	1	
-49	TS-935	SHAFT, Dial drum ss 2-5/8 x 3/8 in. o/a	1	
-50	COMM	NUT, Hex br ni pl No. 10-32	1	
-51	TB-415	BEARING, Adjustable br 3/8 in. o/a No. 10-32 thd	1	
-52	COMM	BALL, Steel 1/8 in. dia	1	
-53	TB-424	BRACKET, Bearing br 1-19/32 x 1/2 x 1/8 in. o/a	1	
		(ATTACHING PARTS)		
-54	COMM	SCREW, RH br ni pl No. 4-36 x 3/8 in. lg	3	
-55	COMM	WASHER, Lock int br ni pl No. 4.	3	
		---*---		
-56	TA-527	SUPPORT, Al 6-1/16 x 4-21/32 x 6-7/8 in. o/a	1	
-57	TC-644	LEVER, Stop al 1-5/8 x 3/4 in. o/a	1	
		(ATTACHING PARTS)		
-58	COMM	SCREW, RH br ni pl No. 6-32 x 3/8 in.	2	
-59	COMM	WASHER, Lock int phos br ni pl No. 6	2	
		---*---		
-60	TG-240	GEAR, Free br ni pl 108T	1	
-61	TG-241	GEAR, Fixed br ni pl 108T	1	
-62	TS-910	SPRING, SS 3/8 x .438 in. lg	2	
-63	TH-357	HUB, Br ni pl 1/4 ID x .425 in. lg x 1 in. OD	1	
-64	TH-256	HUB, Br ni pl 1/4 ID x .363 in. lg x 1 in. OD	1	
		(ATTACHING PARTS)		
-65	COMM	SCREW, Set Allen st ni pl No. 6-32 x 1/6	4	
		---*---		
-66	TS-910	SPRING, Gear ss 3/8 x .438 in.	2	
-67	TG-239	GEAR, Free br ni pl 120T	1	
-68	TG-252	GEAR, Fixed br ni pl 120T	1	
-69	TW-245	WASHER, Flat ber cop si pl 9/32 x 3/4 x .008 in. thk	1	
-70	A05	BEARING, Thrust (BGW)	1	
-71	TA-528	DRIVE SHAFT ASSEMBLY, SS 3-21/32 in. lg o/a	1	
-72	TB-420	BRACKET, Br 1-1/8 x 1/2 x 3/32 in. o/a	1	
		(ATTACHING PARTS)		
-73	COMM	SCREW, RH br ni pl No. 6-32 x 5/16 in. lg	2	
-74	COMM	WASHER, Lock int phos br ni pl No. 6	2	
		---*---		
-75	TAA-533	TUBE SHELF AND CAPACITOR ASSEMBLY, (See figure 13 for further breakdown)	1	
		FILTER ASSEMBLY		
11-	TF-235	FILTER ASSEMBLY, (See figure 10-19 for next higher assembly)	Ref	
-1	TS-685	SHIELD, Can al	1	
		(ATTACHING PARTS)		
-2	COMM	NUT, Hex br ni pl 3/4-16	1	

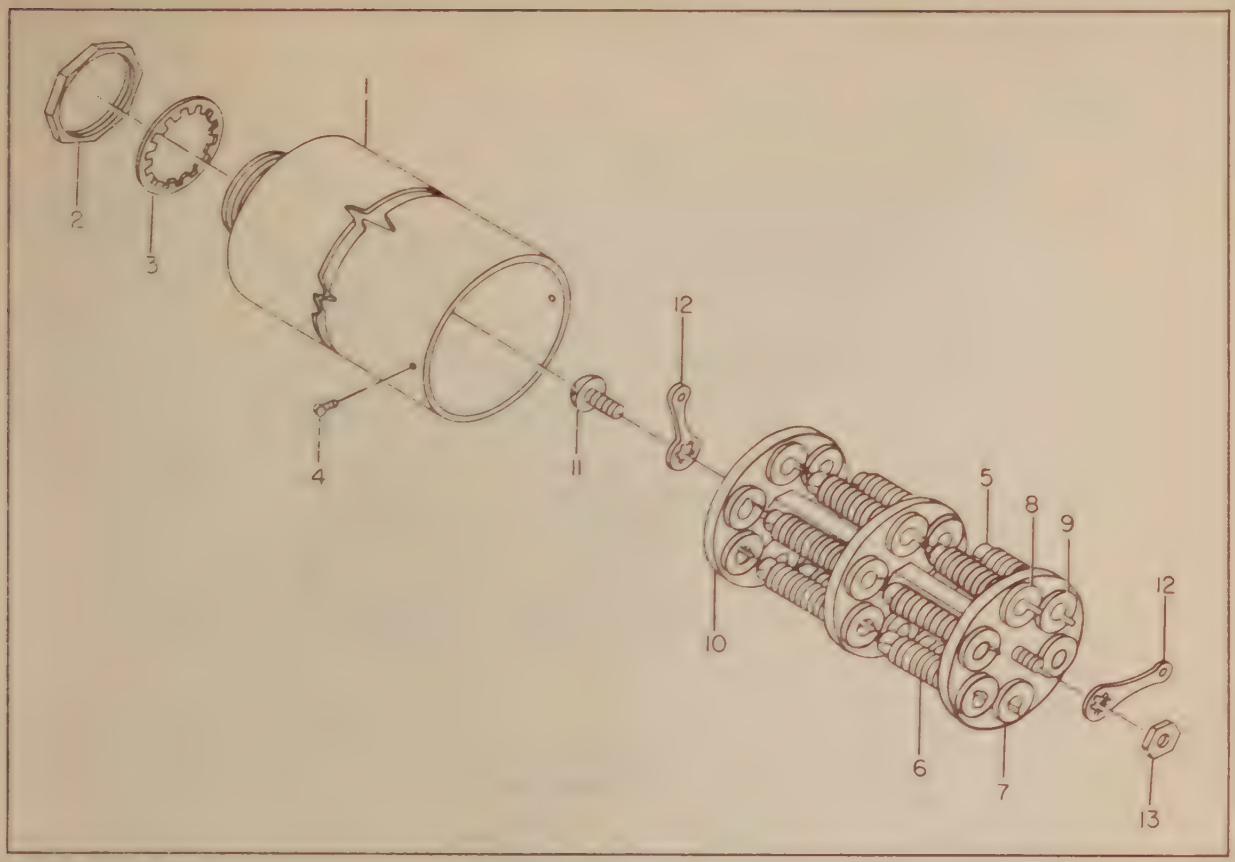

Figure 11. Filter Assembly

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
			FILTER ASSEMBLY (cont)		
11-3	COMM	. . . .	WASHER, Lock int 3/4 in.	1	
-4	COMM	. . . .	SCREW, RH Parker br ni pl No. 2 x 1/8 in. lg	2	
			---*---		
-5	TC-824	. . . .	CHOKE, 10 uh ±5%	2	
-6	TC-825	. . . .	CHOKE, 50 uh ±5%	10	
-7	370-CB-33	. . . .	CAPACITOR, Fixed 33 uuf ±10% (ERC)	3	
-8	370-CB-100	. . . .	CAPACITOR, Fixed 100 uuf ±10% (ERC)	3	
-9	370-CB-250	. . . .	CAPACITOR, Fixed 250 uuf ±10% (ERC)	12	
-10	TD-192	. . . .	PLATE, Capacitor mtg	3	
			(ATTACHING PARTS)		
-11	COMM	. . . .	SCREW, BH br ni pl No. 6-32 x 3/16 in.	1	
-12	2101	. . . .	LOG, Terminal int teeth No. 6 hole (SH)	2	
-13	COMM	. . . .	NUT, Hex br ni pl No. 6-32	1	
			---*---		
			ATTENUATOR		
12-	TA-574	. . .	ATTENUATOR, (See figure 10-20 for next higher assembly)	Ref	
-1	TR-498	. . . .	RETAINER, Resistor br si pl 3/16 ID x .421 OD x 13/16 in. lg . . .	1	

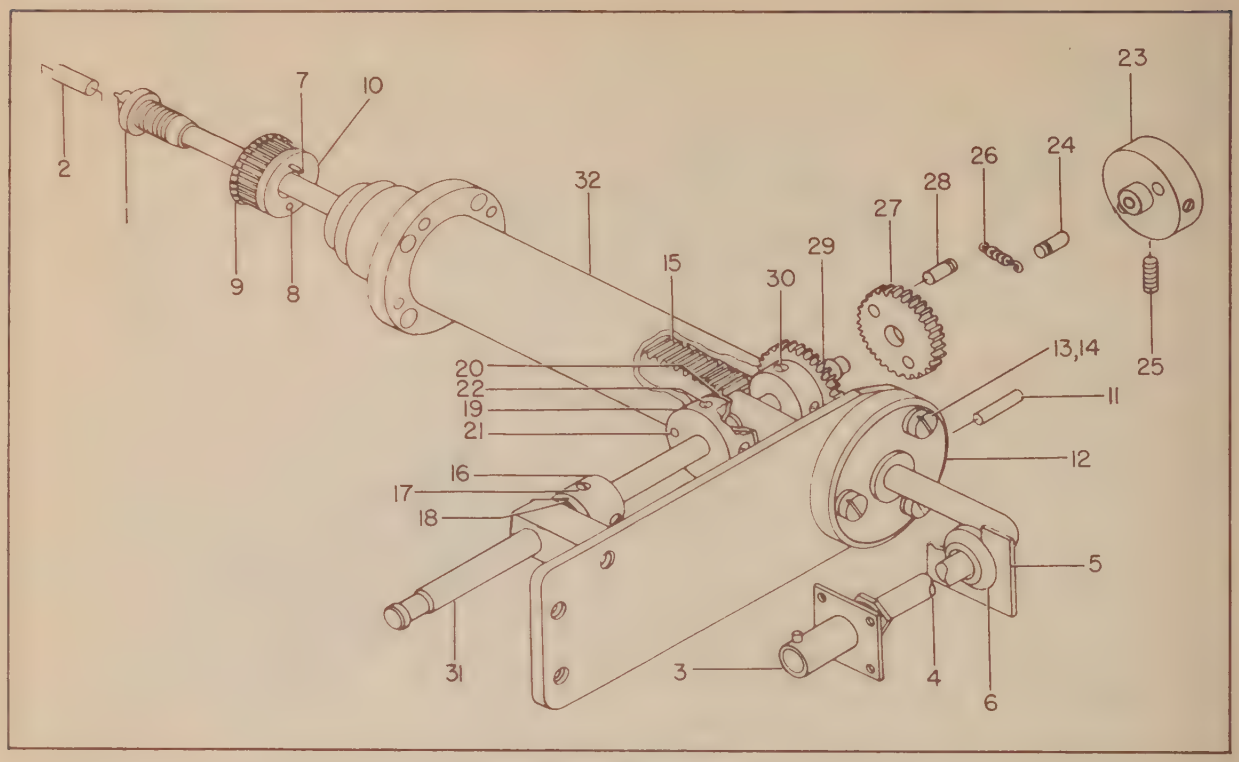

Figure 12. Attenuator

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
		ATTENUATOR (cont)		
12-2	TR-609	. . . . RESISTOR, Fixed 53 ohms ±10% 1/2 W	1	
-3	UG-291/U	. . . . CONNECTOR, (MIL-C-3608)	1	
-4	RG-58/U	. . . . CABLE, RF RG-58/U	AR	
-5	TP-474	. . . . PLATE, Cable guide al 1-7/8 in. lg x 1-1/4 h x 1/16 in. thk o/a . . .	1	
-6	TG-300	. . . . GROMMET, Rubber 19/64 x 50 x 5/8 OD x 1/4 in. . .	1	
-7	TP-467	. . . . PIN, St .046 d x 1/4 in. lg	1	
-8	TP-476	. . . . PIN, Br .0625 d x .500 in. lg	1	
-9	TP-468	. . . . PISTON, Ber-cop .710 dia x 5/16 in. lg	1	
-10	TB-413	. . . . BODY, Piston br .656 dia x .125 in. thk	1	
-11	COMM	. . . . PIN, Dowel st 1/8 dia x 1/2 in. lg	1	
-12	TR-499	. . . . RACK, Bearing br ni pl 1-15/32 dia x 15/16 in. lg	1	
		(ATTACHING PARTS)		
-13	COMM	. . . . SCREW, BH br ni pl No. 6-32 x 5/16 in. lg	3	
-14	COMM	. . . . WASHER, Lock int phos br ni pl No. 6	3	
		---*---		
-15	TR-504	. . . . RACK	1	
-16	TS-922	. . . . SPACER, Shaft	1	
		(ATTACHING PARTS)		
-17	COMM	. . . . SCREW, Set Allen st ni pl No. 6-32 x 3/16 in. lg . . .	2	
		---*---		
-18	TW-283	. . . . WASHER, Spring ber cop 13/32 OD x .26 ID x .062 in. thk	2	
-19	TC-857	. . . . COLLAR, Stop br ni pl 3/4 in. x 1/4 in. lg	1	
-20	TP-479	. . . . PLATE, Stop br ni pl 1 dia x .062 in. thk	1	

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		ATTENUATOR (cont)		
		(ATTACHING PARTS)		
12-21	COMM	. . . . PIN, Groov ss 3/32 dia x 3/16 in. lg	1	
-22	COMM	. . . . SCREW, Set Allen st ni pl No. 6-32 x 1/4 in. lg	2	
		---*---		
-23	TH-363	. . . . HUB, Dial	1	
-24	TP-465	. . . . PIN, Dial hub	2	
		(ATTACHING PARTS)		
-25	COMM	. . . . SCREW, Set Allen st ni pl No. 6-32 x 3/8 in. lg	2	
		---*---		
-26	TS-909	. . . . SPRING, Gear	2	
-27	TG-307	. . . . GEAR, Special	1	
-28	TP-465	. . . . PIN, Gear setting	2	
-39	TG-305	. . . . GEAR, Special	1	
		(ATTACHING PARTS)		
-30	COMM	. . . . SCREW, Set Allen st ni pl No. 6-32 x 3/16 in. lg . . .	2	
		---*---		
-31	TS-939	. . . . SHAFT, Attenuator drive	1	
-32	TTA-453	. . . . TUBE AND SUPPORT ASSEMBLY.	1	
		TUBE SHELF AND CAPACITOR ASSEMBLY		
13-	TAA-533	. . . TUBE SHELF AND CAPACITOR ASSEMBLY, (See . . . . figure 10-75 for next higher assembly)	Ref	
-1	TA-371	. . . . ROTOR ASSEMBLY, 9 solid plates 4 plates with . . . 8 serrations 1 plate with 26 serrations, plates .094 apart .0225 in. thk	1	
		(ATTACHING PARTS)		
-2	TB-434	. . . . BALL, Pyrex glass 3/16 in. o/a	1	
-3	TB-435	. . . . BALL, Steel 1/16 in. o/a	9	
-4	TS-948	. . . . SEAT, Thrust bearing adjust st 3/8 x .172 o/a	1	
-5	COMM	. . . . NUT, Hex br cd pl 3/8-32	1	
		---*---		
-6	TA-577	. . . . ROTOR DRIVE ASSEMBLY	1	
		(ATTACHING PARTS)		
-7	COMM	. . . . SCREW, BH br ni pl No. 4-36 x 3/16 in.	4	
-8	COMM	. . . . WASHER, Lock int phos br ni pl No. 4	4	
		---*---		
-9	R 4	. . . . . BEARING, Ball (ND)	1	
-10	TH-359	. . . . . HOUSING, Ball bearing hex br 7/8 x 1 in. o/a . . .	1	
-11	COMM	. . . . . NUT, Lock hex 3/4-27	1	
-12	TR-321	. . . . . RACE, Inner steel 5/8 x .188 in. o/a	1	
-13	TR-322	. . . . . RACE, Outer steel 5/8 x .188 in. o/a	1	
-14	TB-435	. . . . . BALL, Steel 1/16 in. dia	21	
-15	TR-486	. . . . . RING, Insulating synthane 1.422 x .1875 in. o/a . .	1	
-16	TD-191	. . . . . CONTACT DISK, Br 1/4 hd 1.459 x . . . . . 1/8 in.	1	
-17	TS-923	. . . . . ROTOR DRIVE SHAFT, Br 2-1/16 x .635	1	
-18	TB-434	. . . . . BALL, Pyrex 3/16 in.	1	
-19	TS-916	. . . . . SUPPORT, Rotor ground contact br 3/4 x . . . . . 1/4 x 13/64 in. o/a	1	
		(ATTACHING PARTS)		
-20	COMM	. . . . . SCREW, FH br ni pl No. 6-32 x 3/8 in.	2	
-21	TS-929	. . . . . SPRING, Rotor ground contact Berylco . . . . . 3-3/64 x 1/2 x .206 in. o/a	1	

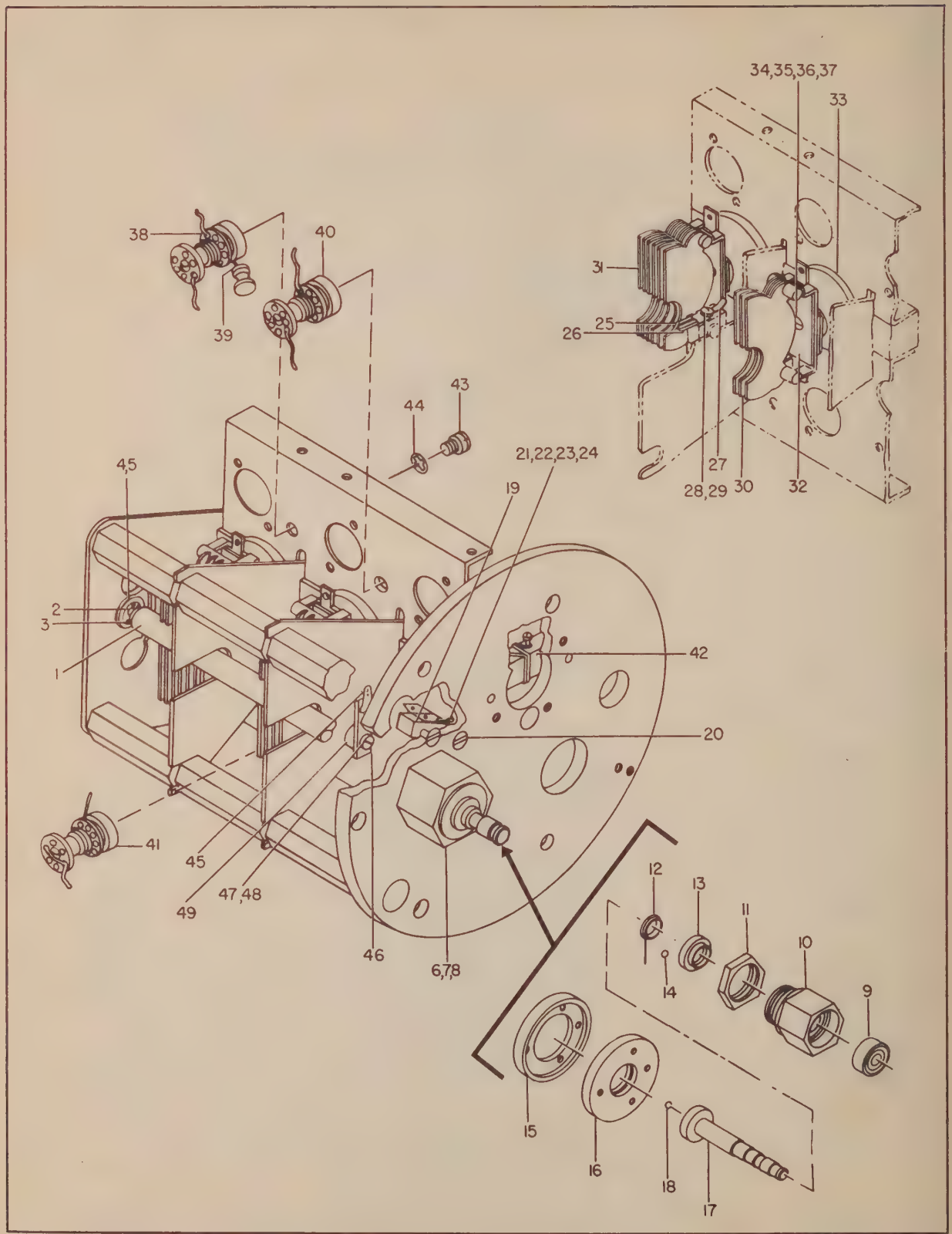

Figure 13. Tube Shelf and Capacitor Assembly (Sheet 1 of 2, Index Nos 1 thru 49)

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		TUBE SHELF AND CAPACITOR ASSEMBLY (cont)		
		(ATTACHING PARTS)		
13-22	COMM	. . . . . SCREW, BH br ni pl No. 2-56 x 1/4 in.	2	
-23	COMM	. . . . . WASHER, Lock int phos br ni pl No. 2	2	
-24	COMM	. . . . . LUG, No. 2	1	
		---*---		
-25	TS-921	. . . . SPRING, Rotor wiper ber cop 7/32 x 27/32 x . . . . . .008 in. o/a	4	
-26	TC-848	. . . . CONTACT, U silor .093 dia x .068 in. lg	8	
-27	TL-230	. . . . LUG, Br 1/8 x 21/32 x 1/64 in. o/a No. 4	1	
		(ATTACHING PARTS)		
-28	COMM	. . . . SCREW, BH br ni pl No. 4-36 x 1/8 in.	4	
-29	COMM	. . . . WASHER, Lock ext phos br ni pl No. 4	4	
		---*---		
-30	TA-369	. . . . STATOR ASSEMBLY, 5/8 x .906 o/a	1	
-31	TA-370	. . . . STATOR ASSEMBLY, 7/16 x .906 o/a	1	
-32	TM-214	. . . . STATOR MOUNT, Steatite 1-1/8 x 1/2 o/a 2 . . . . . holes tap No. 6-32 x 3/16	3	
-33	TP-464	. . . . SECURING PLATE, Stator phos bronze 1 x 7/16 . . . wd x 1/16 in. thk o/a	3	
		(ATTACHING PARTS)		
-34	COMM	. . . . SCREW, BH br ni pl No. 6-32 x 11/16 in.	6	
-35	COMM	. . . . SCREW, BH br ni pl No. 6-32 x 1-1/4 in.	3	
-36	COMM	. . . . WASHER, Lock int phos br ni pl No. 6	6	
-37	COMM	. . . . WASHER, Flat br ni pl 5/16	6	
		---*---		
-38	TA-498	. . . . MASTER OSCILLATOR TANK ASSY	1	
-39	CC30SH470J	. . . . CAPACITOR, Fixed ceramic 47 uuf ±5 per cent . . . . (JAN-C-20A)	1	
-40	TA-497	. . . . TANK ASSY, First doubler	1	
-41	TA-496	. . . . TANK ASSY, Crystal oscillator	1	
-42	TA-499	. . . . TANK ASSY, Final doubler	1	
		(ATTACHING PARTS)		
-43	COMM	. . . . SCREW, BHM br si pl No. 6-32 x 1/2 in. lg	4	
-44	COMM	. . . . WASHER, Lock int phos br ni pl No. 6	4	
		---*---		
-45	TC-848	. . . . CONTACTS, Silver .095 in. dia x .068 in. lg	9	
-46	TT-426	. . . . TERMINAL STRIP, 1 terminal lug 1 in. lg x 3/8 . . . in. wd x 1/16 in. thk	4	
		(ATTACHING PARTS)		
-47	COMM	. . . . SCREW, BH br ni pl No. 4-36 x 1/4 in. lg	4	
-48	COMM	. . . . NUT, Hex br ni pl No. 4-36 x 1/4 h AF	4	
		---*---		
-49	TS-1231	. . . . SPACER, Br cd pl .114 in. ID x 5/8 in. OD x . . . . . 1/8 in. lg	1	
-50	TS102U01	. . . . SHIELD, Tube br ni pl (JAN-S-28A)	5	
-51	6AK5W	. . . . TUBE, Electron (MIL-E-1B)	5	
-52	12AX7	. . . . TUBE, Electron (MIL-E-1B)	1	
-53	TSE9T102	. . . . SOCKET, 9 contact miniature (JAN-S-28A)	1	
-54	TSE7T102	. . . . SOCKET, 7 contact miniature (JAN-S-28A)	5	
		(ATTACHING PARTS)		
-55	COMM	. . . . SCREW, BH br ni pl No. 3-48 x 3/16 in.	12	
-56	COMM	. . . . WASHER, Lock int st cd pl No. 3.	12	
-57	COMM	. . . . NUT, Hex br ni pl No. 3-48	12	
		---*---		
-58	TB-398	. . . . MOUNTING BOARD, Trimmer bakelite 1-1/8 lg . . . x 1/2 in. wd x 1/16 in. thk o/a	1	
		(ATTACHING PARTS)		
-59	COMM	. . . . SCREW, RH br ni pl No. 2-56 x 3/16 in.	2	
		---*---		
-60	COMM	. . . . GROMMET, Rubber 3/8 x 1/6 in.	2	

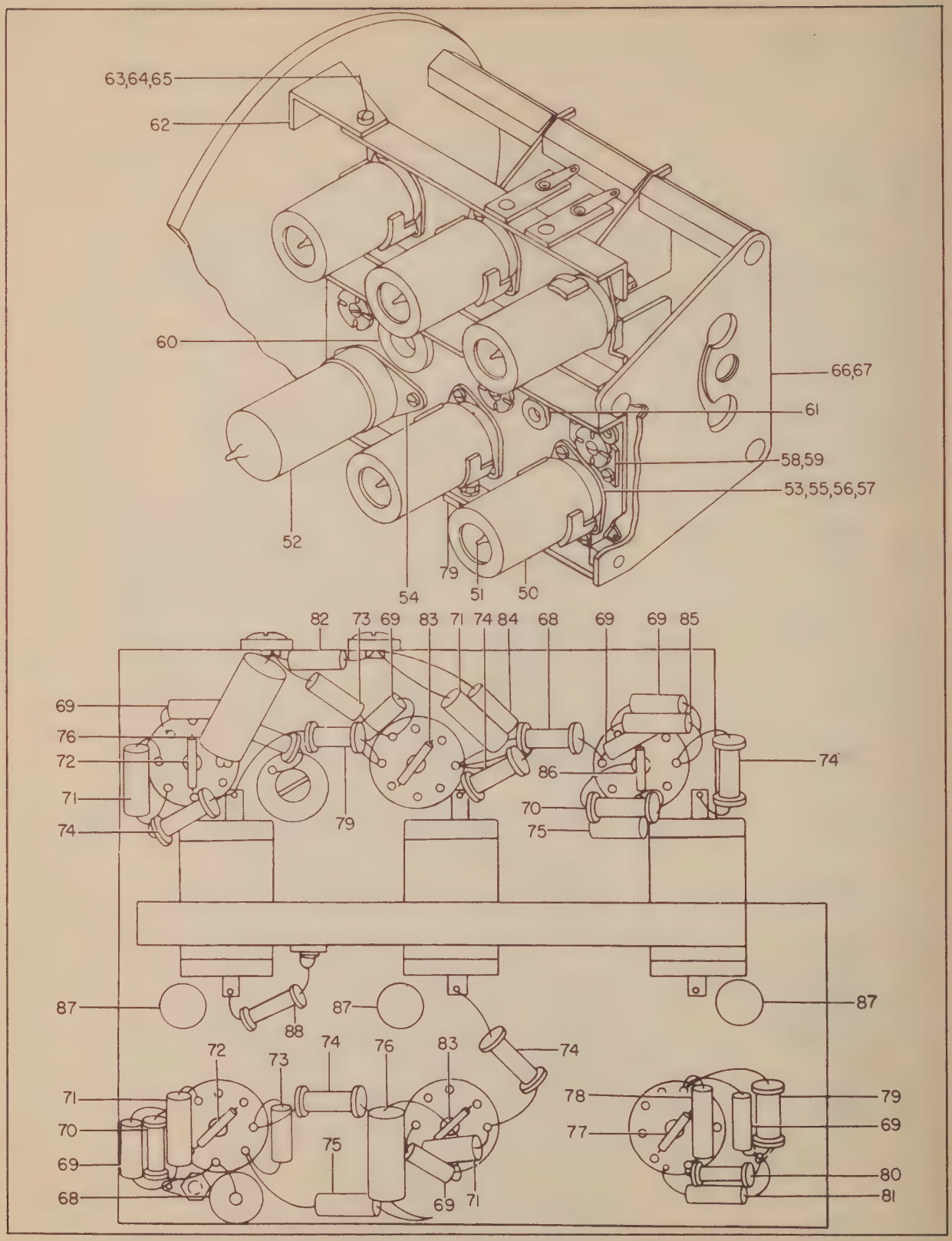

Figure 13. Tube Shelf and Capacitor Assembly (Sheet 2 of 2, Index Nos 50 thru 88)

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
		TUBE SHELF AND CAPACITOR ASSEMBLY (cont)		
13-61	COMM	GROMMET, Rubber 3/16 x 1/16 in.	1	
-62	TP-472	SHIELD, Bracket 1-1/8 x 1/2 x .032 in. o/a (ATTACHING PARTS)	1	
-63	COMM	SCREW, BH br ni pl No. 4-36 x 1/2 in.	1	
-64	COMM	WASHER, Lock int phos br No. 4.	1	
-65	COMM	NUT, Hex br ni pl No. 4-36 x 1/4 in.	1	
		---*---		
-66	TA-533	TUBE SHELF ASSEMBLY (ATTACHING PARTS)	1	
-67	COMM	SCREW, BH ni pl No. 6-32 x 3/16 in. lg	5	
		---*---		
-68	370-FF	CAPACITOR, Fixed mica 150 uuf ±5% 500 VDCW (ERC)	2	
-69	RC20BF104J	RESISTOR, Fixed comp 100,000 ohms ±5% (JAN-R-11)	7	
-70	CC30CJ150G	CAPACITOR, Fixed ceramic 15 uuf ±2% (JAN-C-20A)	2	
-71	TC-823	CHOKE, 35 mh ±5%.	4	
-72	370-BB	CAPACITOR, Fixed mica 1000 uuf ±5% 500 VDCW (ERC)	2	
-73	RC20BF33J	RESISTOR, Fixed comp 35,000 ohms ±5% 1/2 W (JAN-R-11)	2	
-74	CC30SH470J	CAPACITOR, Fixed 47 uuf ±5% (JAN-C-20A)	6	
-75	RC30BF223J	RESISTOR, Fixed comp 22,000 ohms ±5% 1 W (JAN-R-11)	2	
-76	RC42BF103J	RESISTOR, Fixed comp 10,000 ohms ±5% 2 W (JAN-R-11)	2	
-77	370-CH	CAPACITOR, Fixed mica 500 uuf ±10% 500 VDCW (ERC)	1	
-78	TC-826	CHOKE, 10 mh ±5%.	1	
-79	CC30UK050C	CAPACITOR, Fixed ceramic 5 uuf ±5% (JAN-C-20A)	2	
-80	CC30CJ100F	CAPACITOR, Fixed ceramic 10 uuf ±10% (JAN-C-20A)	1	
-81	RC20BF473J	RESISTOR, Fixed comp 47,000 ohms ±5% 1/2 W (JAN-R-11)	1	
-82	RC20BF472J	RESISTOR, Fixed comp 47,000 ohms ±5% 1/2 W (JAN-R-11)	1	
-83	370-BB	CAPACITOR, Fixed mica 500 uuf ±10% 500 VDCW	2	
-84	RC20BF682J	RESISTOR, Fixed comp 6800 ohms ±5% 1/2 W (JAN-R-11)	1	
-85	TC-822	CHOKE, 5 mh ±5%	1	
-86	370-BB	CAPACITOR, Fixed mica 250 uuf ±5% 500 VDCW (ERC)	1	
-87	TC-872	CAPACITOR, Variable pyrex but 0.3-3 uuf	3	
-88	CC30CH220G	CAPACITOR, Fixed ceramic 22 uuf ±2% (JAN-C-20A)	1	
		PANEL ASSEMBLY		
14-	TPA-484	PANEL ASSEMBLY, Mounts indicating and operating controls (see figure 9-34 for next higher assembly)	Ref	
-1	TM-175	METER, Modulation ruggedized hermetically sealed 100 ma full scale	1	
-2	TM-176	METER, R.F. monitor ruggedized hermetically sealed 100 ma full scale	1	

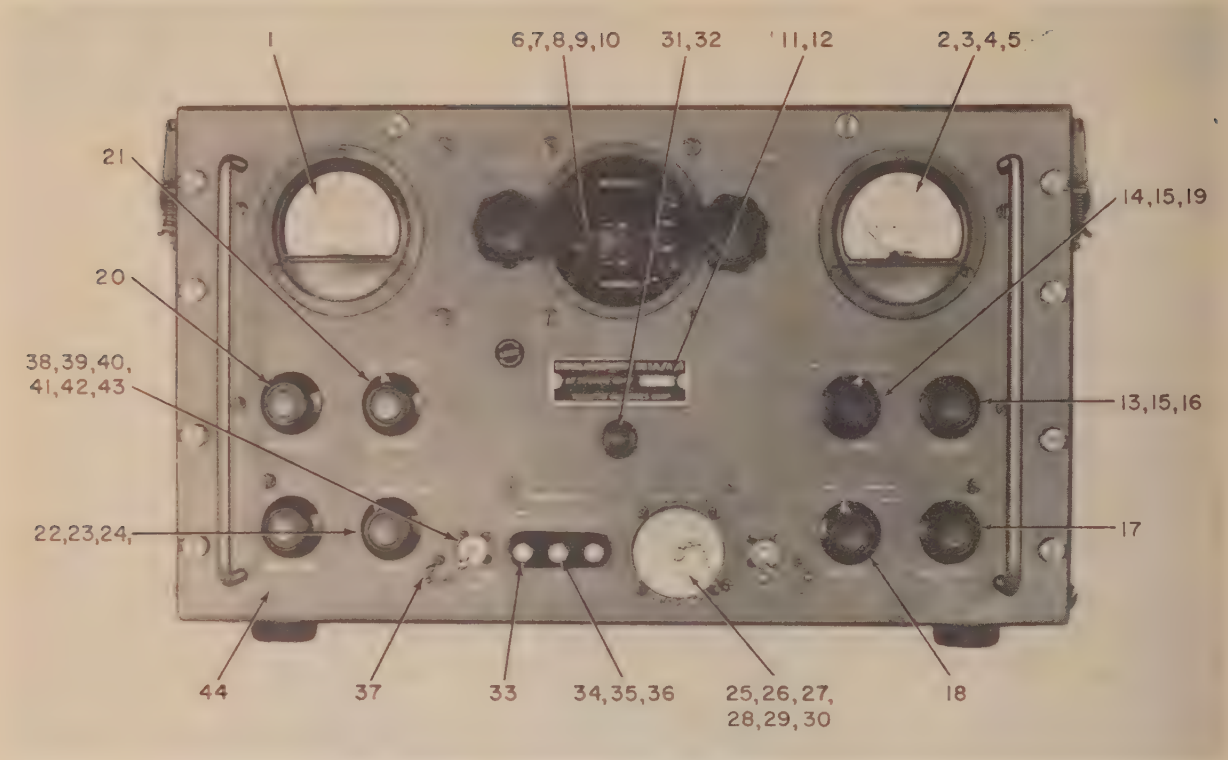

Figure 14. Panel Assembly

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		PANEL ASSEMBLY (cont)		
		(ATTACHING PARTS)		
14-3	COMM	. . . SCREW, BH br ni pl No. 6-32 x 1/2 in.	6	
-4	COMM	. . . WASHER, Lock int st cd pl No. 6	6	
-5	COMM	. . . NUT, Hex br cd pl No. 6-32	6	
		---*---		
-6	TR-501	. . . DIAL, Ring al 3-19/32 x 1/6 in. o/a	1	
-7	TG-251	. . . GLASS, Dial cover 3-27/64 x .062 in.	1	
-8	TW-288	. . . WASHER, Rubber 3-27/64 x .015 in. o/a	1	
-9	TW-287	. . . WASHER, Paper 3-27/64 x .010 in. o/a	1	
		(ATTACHING PARTS)		
-10	COMM	. . . SCREW, FH brs ni pl No. 2-56 x 1/4 in.	4	
		---*---		
-11	TN-224	. . . NAMEPLATE, Al 3 x 1 x 1/16 in. thk	1	
		(ATTACHING PARTS)		
-12	COMM	. . . SCREW, BH br blk ni pl No. 2-56 x 1/4 in.	2	
		---*---		
-13	TK-177	. . . KNOB, Control molded phen 3/8 shaft 1-1/8 in. dia o/a	4	
-14	TK-178	. . . KNOB, Control molded phen 3/8 shaft 1-1/8 in. dia w/pointer	4	
		(ATTACHING PARTS)		
-15	COMM	. . . SCREW, Set Allen st cd pl No. 10-32 x 1/4 in. lg	8	
		---*---		
-16	RB101RD502KK	. . . RESISTOR, Variable ww 5,000 ohms ±10% 2 W. . . . . (JAN-R-94)	1	

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		PANEL ASSEMBLY (cont)		
14-17	RV4ATRD501A	. . . RESISTOR, Variable comp 500 ohms ±10% 2 W . . . . . (JAN-R-94)	2	
-18	TS-876	. . . SWITCH, Rotary 2 pole 4 position	1	
-19	TS-881	. . . INDEX ASSEMBLY, 30° between positions	1	
-20	RV4ATRD104C	. . . RESISTOR, Variable comp 100,000 ohms ±10% 2 W . . . (JAN-R-94)	1	
-21	TS-875	. . . SWITCH, Rotary pole 2 pos	1	
-22	TS-874	. . . SWITCH, Rotary 3 pole 3 pos . . . . . (ATTACHING PARTS)	1	
-23	COMM	. . . WASHER, St cd pl 1/2 x 3/8 x .02 in.	8	
-24	COMM	. . . NUT, Hex br cd pl 3/8-1/2 x 3/32 in. . . . . ---*---	8	
-25	TC-836	. . . CAP AND CHAIN ASSEMBLY, 1-7/8 x 7/16 in. o/a . . .	1	
-26	TC-873	. . . CONNECTOR, Receptacle male 10 contact .14 . . . . . in. dia (MIL-C-5015) (ATTACHING PARTS)	1	
-27	TL-231	. . . LUG, Terminal No. 6	1	
-28	COMM	. . . SCREW, BH br blk ni pl No. 6-32 x 5/8 in.	4	
-29	COMM	. . . WASHER, Lock int st cd pl No. 6	4	
-30	COMM	. . . NUT, Hex br ni pl No. 6-32 . . . . . ---*---	4	
-31	47	. . . LAMP, Inc bay base clear glass (GEK).	1	
-32	81410-121	. . . LIGHT, Indicator red lens (DLC).	1	
-33	TB-401	. . . BLOCK, Binding post bakelite 2-1/4 x 3/4 x . . . . . 21/64 in. o/a	1	
-34	TP-458	. . . POST, Binding brass ni pl non-removable knurled . . . . cap 21/32 x 3/8 in. o/a	3	
-35	TL-231	. . . LUG, Terminal No. 6 . . . . . (ATTACHING PARTS)	3	
-36	COMM	. . . SCREW, BH br ni pl No. 2-56 x 1/2 in. . . . . ---*---	3	
-37	CW-123/U	. . . CAP AND CHAIN ASSEMBLY, (MIL-C-3608)	1	
-38	UG-290/U	. . . CONNECTOR, One female contact (MIL-C-3608)	1	
-39	75	. . . TERMINAL LUG, No. 3 (EBY) . . . . . (ATTACHING PARTS)	1	
-40	COMM	. . . SCREW, BH br ni pl No. 3-56 x 5/16 in. lg	3	
-41	COMM	. . . SCREW, BH br ni pl No. 3-56 x 7/16 in. lg	2	
-42	COMM	. . . WASHER, Lock int st cd pl No. 3.	5	
-43	COMM	. . . NUT, Hex br ni pl No. 3-56 . . . . . ---*---	1	
-44	TP-484	. . . PANEL, Al 19 x 10-15/32 x 3/16 eight slots	1	
		CHASSIS ASSEMBLY - TOP VIEW		
15-	TCA-866	. . CHASSIS ASSEMBLY, Top view (see figure 9-47 for . . . . . next higher assembly)	Ref	
-1	TS103U01	. . . SHIELD, Tube (JAN-S-28A)	2	
-2	2C51	. . . TUBE, Electron (MIL-E-1B)	2	
-3	TS103U02	. . . SHIELD, Tube (JAN-S-28A)	1	
-4	12AX7	. . . TUBE, Electron (MIL-E-1B)	1	
-5	TC-740	. . . CLAMP, Tube	1	
-6	6V6GT	. . . TUBE, Electron (MIL-E-1B) . . . . . (ATTACHING PARTS)	1	
-7	COMM	. . . SCREW, RH br ni pl No. 6-32 x 7/16 in.	1	
-8	COMM	. . . WASHER, Flat br ni pl No. 6	1	

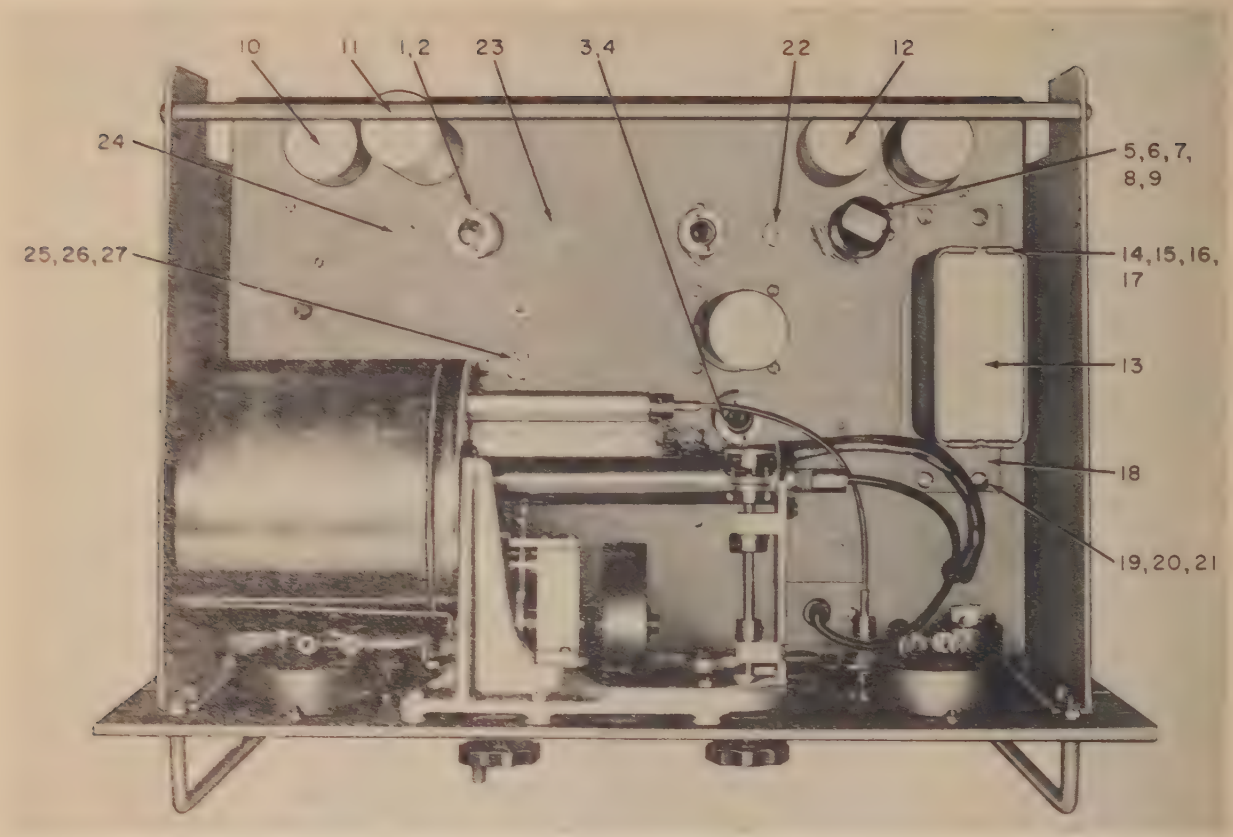

Figure 15. Chassis Assembly - Top View

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		CHASSIS ASSEMBLY - TOP VIEW (cont)		
15-9	COMM	. . . WASHER, Lock int st cd pl No. 6	1	
		---*---		
-10	CP41B1EF105V	. . . CAPACITOR, Fixed paper 1 uf ±10% 600 VDCW . . . . . (JAN-C-25)	2	
-11	CP41B1EF405V	. . . CAPACITOR, Fixed paper 4 uf ±10% 600 VDCW . . . . . (JAN-C-25)	2	
-12	CP41B1EF205V	. . . CAPACITOR, Fixed paper 2 uf ±10% 600 VDCW . . . . . (JAN-C-25)	1	
-13	CP70E1EF106V	. . . CAPACITOR, Fixed paper 10 uf ±10% 600 VDCW . . . . . (JAN-C-25)	1	
		(ATTACHING PARTS)		
-14	CP07S03	. . . BRACKET, Capacitor mounting (JAN-C-25)	2	
-15	COMM	. . . SCREW, FH br ni pl No. 8-32 x 1/2 in.	4	
-16	COMM	. . . WASHER, Lock int st cd pl No. 8	4	
-17	COMM	. . . NUT, Hex br ni pl No. 8-32	8	
		---*---		
-18	TB-399	. . . CAPACITOR MOUNT, Syn 2-1/8 x 6 x 3/16 o/a . . . . . (ATTACHING PARTS)	1	
-19	COMM	. . . SCREW, BH br ni pl No. 10-32 x 3/4 in.	4	
-20	COMM	. . . WASHER, Lock int st cd pl No. 10	4	
-21	COMM	. . . NUT, Hex br ni pl No. 10-32	8	
		---*---		

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		CHASSIS ASSEMBLY - TOP VIEW (cont)		
15-22	TR-481	. . . RESISTOR, Variable carb comp 2,500 ohms ±10% . . . . 2 W linear	1	
-23	TR-482	. . . RESISTOR, Variable carb comp 250,000 ohms ±10% . . . 2 W linear	1	
-24	TR-484	. . . RESISTOR, Variable carb comp 100,000 ohms ±10% . . . 2 W linear	2	
-25	TR-485	. . . RESISTOR, Variable carb comp 25,000 ohms ±10% . . . 2 W linear	1	
		(ATTACHING PARTS)		
-26	COMM	. . . WASHER, Lock st cd pl 1/2 x 3/32 x .020 in.	5	
-27	COMM	. . . NUT, Hex br cd pl 3/8-32 x 3/32 in.	5	
		---*---		
		CHASSIS ASSEMBLY - BOTTOM VIEW		
16-	TCA-866	. . CHASSIS ASSEMBLY, Bottom view (see figure 9-47 . . . . . for next higher assembly)	Ref	
-1	TP-457	. . . PLATE, Capacitor mtg syn 2 x 2 x 1/8 in. o/a.	2	
		(ATTACHING PARTS)		
-2	COMM	. . . SCREW, BH br ni pl No. 6-32 x 1/2 in.	8	
-3	COMM	. . . WASHER, Lock int st cd pl No. 6	8	
-4	COMM	. . . NUT, Hex br ni pl No. 6-32	16	
		---*---		
-5	RC20BF471J	. . . RESISTOR, Fixed comp 470 ohms ±10% 1/2 W . . . . . (JAN-R-11)	1	
-6	TS-877	. . . SOCKET, Tube ceramic octal 7/8 x 1-1/2 in. o/a	1	
		(ATTACHING PARTS)		
-7	COMM	. . . SCREW, BH br ni pl No. 6-32 x 5/16 in.	2	
-8	COMM	. . . WASHER, Lock int st cd pl No. 6.	2	
-9	COMM	. . . NUT, Hex br ni pl No. 6-32	2	
		---*---		
-10	TSE9T102	. . . SOCKET, Tube 9 pin miniature ceramic	3	
		(ATTACHING PARTS)		
-11	COMM	. . . SCREW, BH br ni pl No. 4-36 x 5/16 in.	6	
-12	COMM	. . . WASHER, Lock int st cd pl No. 4	6	
-13	COMM	. . . NUT, Hex br ni pl No. 4-36	6	
		---*---		
-14	3S6/5	. . . LAMP, Incandescent 115V 3W clear bulb (GEK)	1	
-15	9S-2036L40	. . . LAMPHOLDER (DLC)	1	
		(ATTACHING PARTS)		
-16	COMM	. . . SCREW, BH br ni pl No. 6-32 x 3/8 in.	2	
-17	COMM	. . . WASHER, Lock int st cd pl No. 6	2	
-18	COMM	. . . NUT, Hex br ni pl No. 6-32	2	
		---*---		
-19	RW36F401	. . . RESISTOR, Fixed ww 400 ohms ±5% 60 W . . . . . (JAN-R-26A)	1	
		(ATTACHING PARTS)		
-20	COMM	. . . SCREW, RH st cd pl No. 10-32 x 4-5/8 in.	1	
-21	COMM	. . . WASHER, Lock split st cd pl No. 10.	2	
-22	COMM	. . . WASHER, Flat bakelite 1-5/16 x 7/8	2	
-23	COMM	. . . WASHER, Dished st cd pl 1-3/16 x .2	2	
-24	COMM	. . . NUT, Hex br ni pl No. 10-32	2	
		---*---		
-25	TA-489	. . . BRACKET, Resistor mtg 2-1/8 x 1-1/4 in. o/a	2	
		(ATTACHING PARTS)		
-26	COMM	. . . SCREW, RH br ni pl 1/4-20 x 3/4 in.	2	

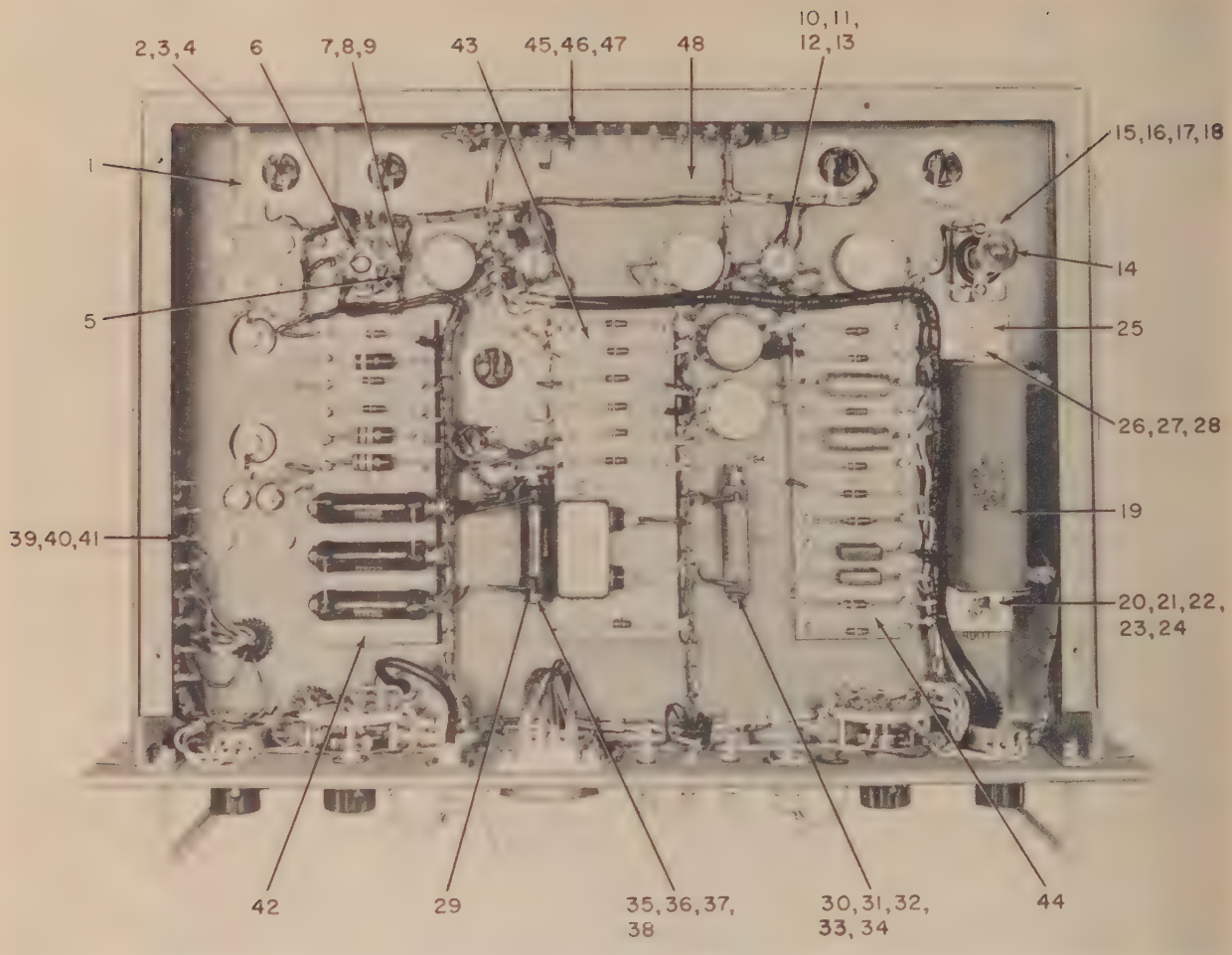

Figure 16. Chassis Assembly - Bottom View

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		CHASSIS ASSEMBLY - BOTTOM VIEW (cont)		
16-27	COMM	. . . WASHER, Lock int st ni pl 1/4	2	
-28	COMM	. . . NUT, Hex br ni pl 1/4-20	2	
		---*---		
-29	RW32H312	. . . RESISTOR, Fixed ww 3100 ohms ±5% 7 W . . . . . (JAN-R-26A)	1	
-30	RW32HR63	. . . RESISTOR, Fixed ww 0.63 ohms ±5% 7 W . . . . . (JAN-R-26A)	1	
		(ATTACHING PARTS)		
-31	COMM	. . . SCREW, RH br ni pl No. 6-32 x 2-1/2 in.	2	
-32	COMM	. . . WASHER, Lock int st cd pl No. 6	2	
-33	COMM	. . . WASHER, Flat st cd pl No. 6	4	
-34	COMM	. . . NUT, Hex br ni pl No. 6-32	2	
		---*---		
-35	TB-411	. . . BRACKET, Resistor br 1/2 x 11/16 x 3/8 x 1/16 . . . . in. o/a	4	
		(ATTACHING PARTS)		
-36	COMM	. . . SCREW, BH br ni pl No. 6-32 x 5/16 in.	4	

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		CHASSIS ASSEMBLY - BOTTOM VIEW (cont)		
16-37	COMM	. . . WASHER, Lock ext st cd pl No. 6	4	
-38	COMM	. . . NUT, Hex br ni pl No. 6-32	4	
		---*---		
-39	TT-433	. . . BOARD, Terminal syn 4 x 1 x 1/8 in. o/a 8 turret terminal lugs	1	
		(ATTACHING PARTS)		
-40	COMM	. . . SCREW, BH br ni pl No. 6-32 x 7/16 in.	2	
-41	COMM	. . . WASHER, Lock int st cd pl No. 6	2	
		---*---		
-42	TA-480	. . . RESISTOR ASSEMBLY, (See figure 17 for further breakdown)	1	
-43	TA-494	. . . RESISTOR AND CAPACITOR ASSEMBLY, (See figure 18 for further breakdown)	1	
-44	TA-493	. . . RESISTOR AND CAPACITOR ASSEMBLY, (See figure 19 for further breakdown)	1	
-45	TA-492	. . . RESISTOR AND CAPACITOR ASSEMBLY, (See figure 20 for further breakdown)	1	
		(ATTACHING PARTS)		
-46	COMM	. . . SCREW, BH br ni pl No. 6-32 x 7/16 in. lg	11	
-47	COMM	. . . WASHER, Lock ext st cd pl No. 6	11	
		---*---		
-48	TC-866	. . . CHASSIS, Al 12 x 2-3/4 x 2-1/4 x 3/32 in.	1	
		RESISTOR ASSEMBLY		
17-	TA-480	. . . RESISTOR ASSEMBLY, (See figure 16-42 for next higher assembly)	Ref	
-1	RC20BF474J	. . . . RESISTOR, Fixed comp 470,000 ohms ±5% 1/2 W (JAN-R-11)	1	
-2	RC40BF241J	. . . . RESISTOR, Fixed comp 240 ohms ±5% 2 W (JAN-R-11)	1	
-3	RC20BF683J	. . . . RESISTOR, Fixed comp 68,000 ohms ±5% 1/2 W (JAN-R-11)	1	
-4	RC20BF153J	. . . . RESISTOR, Fixed comp 15,000 ohms ±5% 1/2 W (JAN-R-11)	1	
-5	RC40BF334J	. . . . RESISTOR, Fixed comp 330,000 ohms ±5% 2 W (JAN-R-11)	2	
-6	RW32H252	. . . . RESISTOR, Fixed ww 2,500 ohms ±5% 7 W (JAN-R-26A)	3	
		(ATTACHING PARTS)		
-7	COMM	. . . . SCREW, RH br ni pl No. 6-32 x 2-1/2 in.	3	
-8	COMM	. . . . WASHER, Lock ext st cd pl No. 6	3	
-9	COMM	. . . . WASHER, Flat st cd pl No. 6	6	
-10	COMM	. . . . NUT, Hex br ni pl No. 6-32	3	
		---*---		
-11	TB-411	. . . . BRACKET, Resistor br 1/2 x 11/16 x 3/8 x 1/16 in. o/a	6	
		(ATTACHING PARTS)		
-12	COMM	. . . . SCREW, RH br ni pl No. 6-32 x 5/16	6	
-13	COMM	. . . . WASHER, Lock ext steel cd pl No. 6	6	
-14	COMM	. . . . NUT, Hex br ni pl No. 6-32	6	
		---*---		
-15	TT-456	. . . . BOARD, Terminal syn 2 x 5-1/2 x 1/8 in. o/a	1	

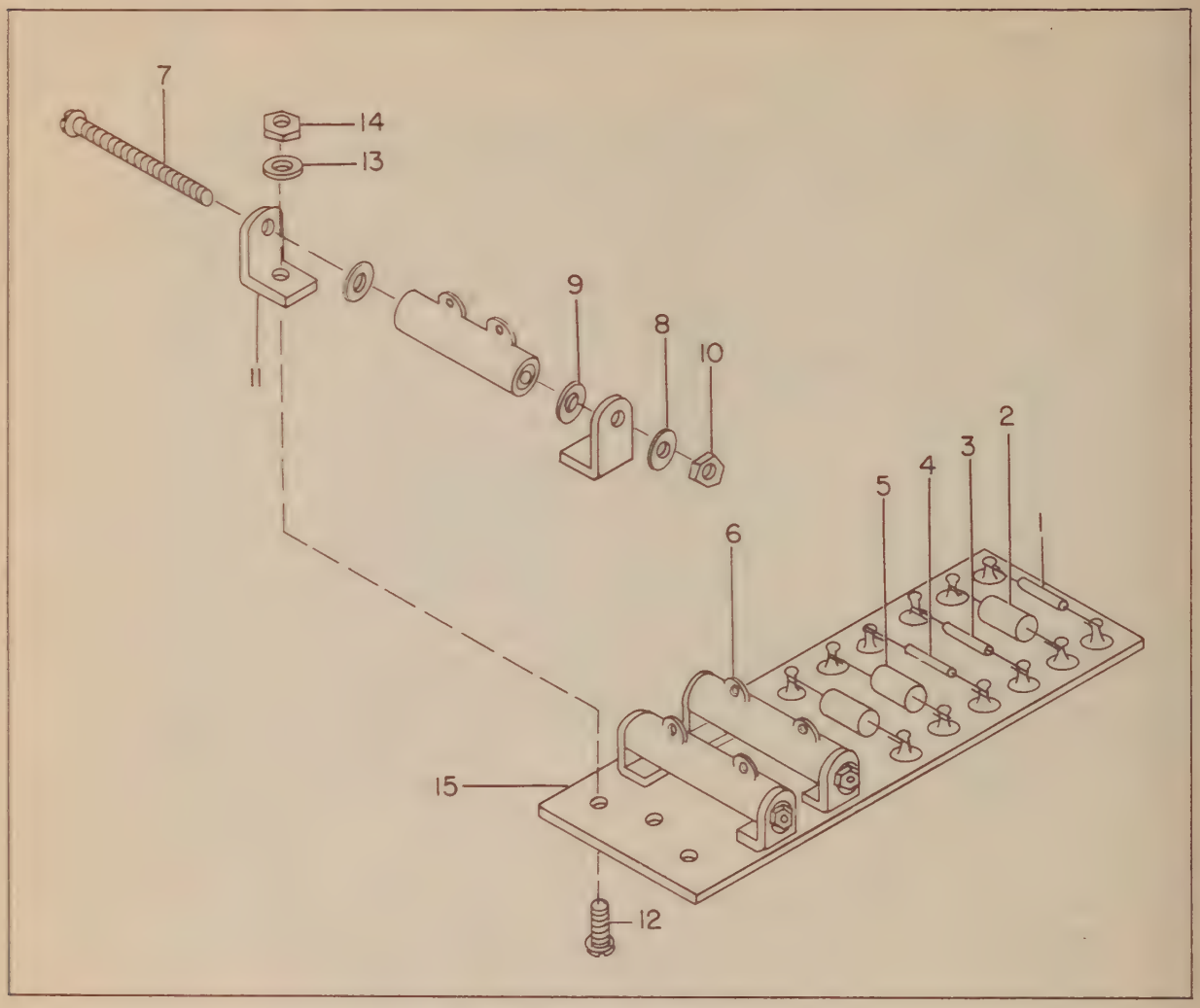

Figure 17. Resistor Assembly

FIG. & INDEX NO.	PART NO	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
		RESISTOR AND CAPACITOR ASSEMBLY		
16-	TA-494	. . . RESISTOR AND CAPACITOR ASSEMBLY, (See figure 16-43 for next higher assembly)	Ref	
-1	RC20BF224J	. . . . RESISTOR, Fixed comp 220,000 ohms ±5% 1/2 W (JAN-R-11) . . .	1	
-2	RC20BF104J	. . . . RESISTOR, Fixed comp 100,000 ohms ±5% 1/2 W (JAN-R-11) . . .	1	
-3	RC20BF684J	. . . . RESISTOR, Fixed comp 680,000 ohms ±5% 1/2 W (JAN-R-11) . . .	1	
-4	RC20BF473J	. . . . RESISTOR, Fixed comp 47,000 ohms ±5% 1/2 W (JAN-R-11) . . .	2	
-5	RC20BF103J	. . . . RESISTOR, Fixed comp 10,000 ohms ±5% 1/2 W (JAN-R-11) . . .	1	
-6	CP53B1EF104V	. . . . CAPACITOR, Fixed paper .01 uf ±10% 600 VDCW (JAN-C-25) . .	1	

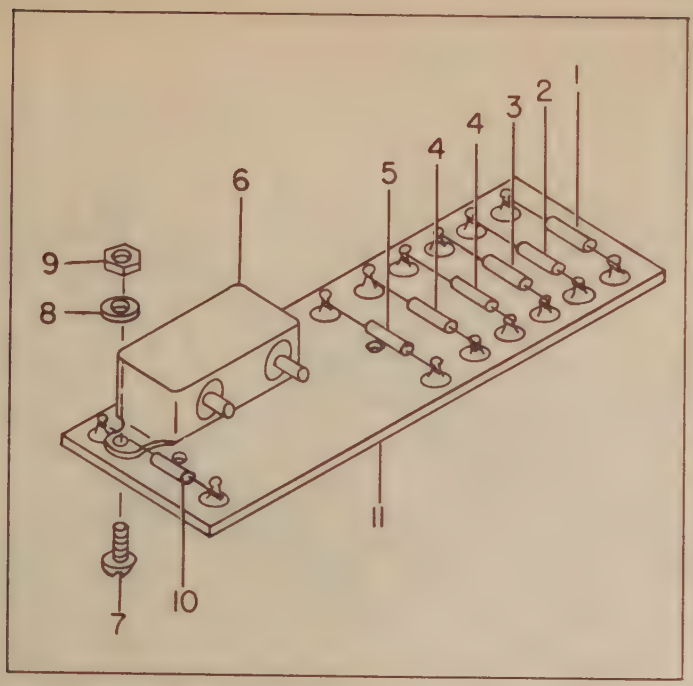

Figure 18. Resistor and Capacitor Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
		RESISTOR AND CAPACITOR ASSEMBLY (cont)		
		(ATTACHING PARTS)		
18-7	COMM	. . . . SCREW, RH br ni pl No. 6-32 x 3/8 in.	2	
-8	COMM	. . . . WASHER, Lock int st cd pl No. 6	2	
-9	COMM	. . . . NUT, Hex br ni pl No. 6-32	2	
		---*---		
-10	RC20BF472J	. . . . RESISTOR, Fixed comp 4700 ohms ±5% 1/2 W . . . . . (JAN-R-11)	1	
-11	TT-452	. . . . BOARD, Terminal syn 2-1/4 x 5-1/2 x 1/8 in. o/a . .	1	
		RESISTOR AND CAPACITOR ASSEMBLY		
19-	TA-493	. . . RESISTOR AND CAPACITOR ASSEMBLY, (See figure 16-44 for next higher assembly)	Ref	
-1	RC20BF222J	. . . . RESISTOR, Fixed comp 2200 ohms ±5% 1/2 W . . . . . (JAN-R-11)	1	
-2	RC20BF474J	. . . . RESISTOR, Fixed comp 470,000 ohms ±5% 1/2 W . . . (JAN-R-11)	2	
-3	CP25A1EF103V	. . . . CAPACITOR, Fixed paper 0.01 uf +20% -10% . . . . . 600 VDCW (JAN-C-25)	2	
-4	RC20BF102J	. . . . RESISTOR, Fixed comp 1000 ohms ±5% 1/2 W . . . . . (JAN-R-11)	1	
-5	RC20BF164J	. . . . RESISTOR, Fixed comp 160,000 ohms ±5% 1/2 W . . . (JAN-R-11)	2	

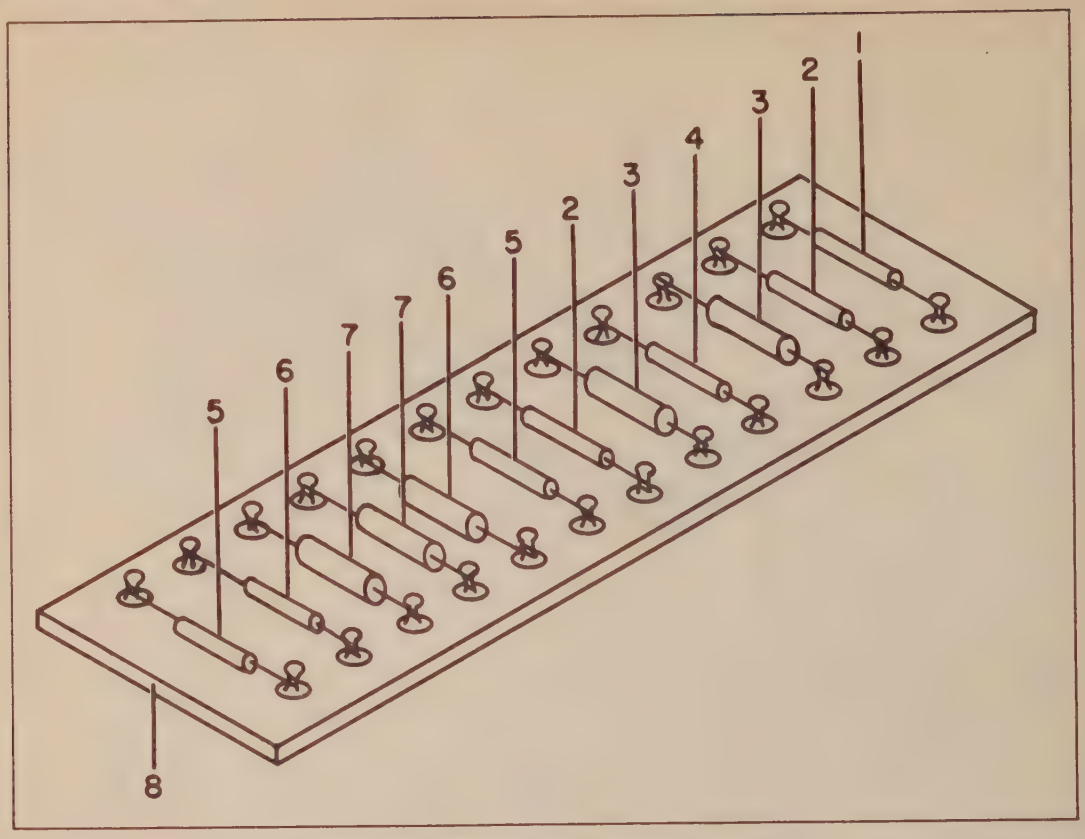

Figure 19. Resistor and Capacitor Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
		RESISTOR AND CAPACITOR ASSEMBLY (cont)		
19-6	RC20BF394J	. . . . RESISTOR, Fixed comp 390,000 ohms ±5% 1/2 W . . . (JAN-R-11)	2	
-7	CM30D102G	. . . . CAPACITOR, Fixed mica 1000 uf ±2% 500 VDCW . . . (JAN-C-5)	2	
-8	TT-451	. . . . BOARD, Terminal syn 6 x 2 x 1/8 in. o/a	1	
		RESISTOR AND CAPACITOR ASSEMBLY		
20-	TA-492	. . . RESISTOR AND CAPACITOR ASSEMBLY, (See . . . . . figure 16-45 for next higher assembly)	Ref	
-1	RC20BF101J	. . . . RESISTOR, Fixed comp 100 ohms ±5% 1/2 W . . . . . (JAN-R-11)	1	
-2	RC20BF474J	. . . . RESISTOR, Fixed comp 470,000 ohms ±5% 1/2 W . . . (JAN-R-11)	1	
-3	RC20BF682J	. . . . RESISTOR, Fixed comp 6800 ohms ±5% 1/2 W . . . . . (JAN-R-11)	1	

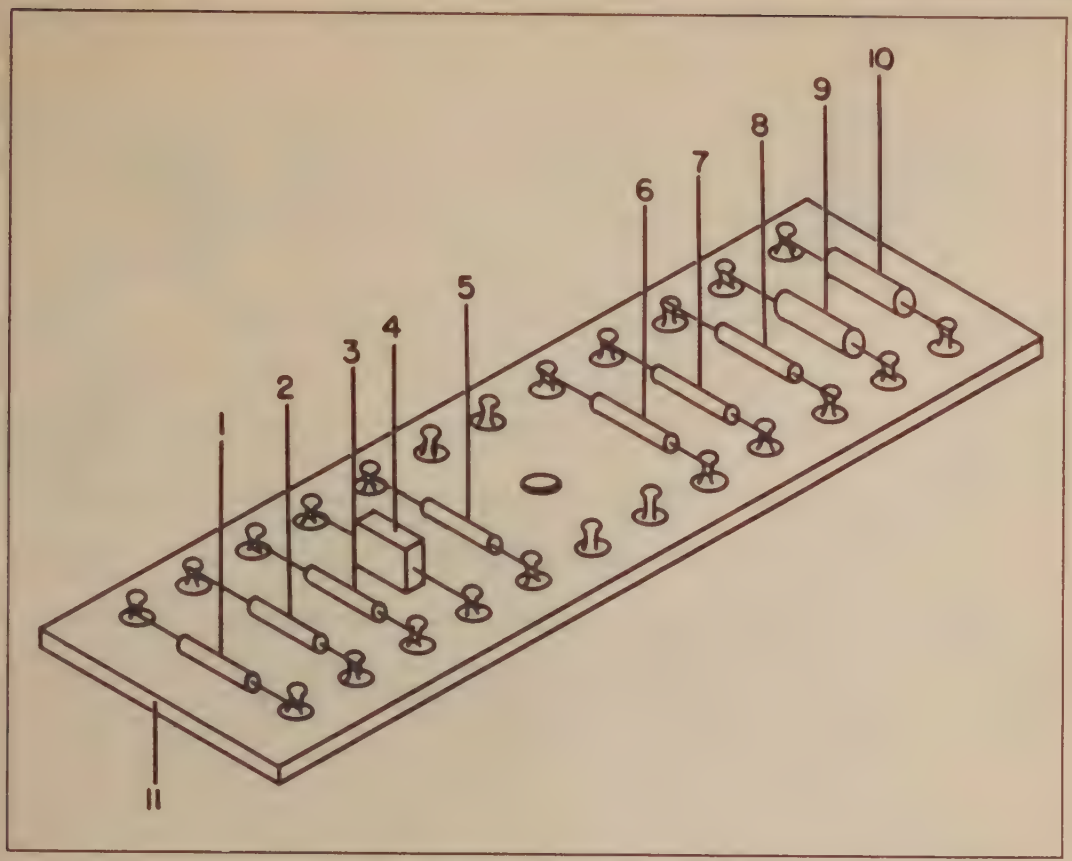

Figure 20. Resistor and Capacitor Assembly

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		RESISTOR AND CAPACITOR ASSEMBLY (cont)		
20-4	CM20D202G	. . . . CAPACITOR, Fixed mica 2000 ohms ±2% 500 VDCW (JAN-C-5)	1	
-5	RC20BF102J	. . . . RESISTOR, Fixed comp 1000 ohms ±5% 1/2 W (JAN-R-11)	1	
-6	RC20BF473J	. . . . RESISTOR, Fixed comp 47,000 ohms ±5% 1/2 W (JAN-R-11) . . .	1	
-7	RC20BF224J	. . . . RESISTOR, Fixed comp 220,000 ohms ±5% 1/2 W (JAN-R-11) . . .	1	
-8	RC20BF221J	. . . . RESISTOR, Fixed comp 220 ohms ±5% 1/2 W (JAN-R-11)	1	
-9	RC30BF104J	. . . . RESISTOR, Fixed comp 100,000 ohms ±5% 1 W (JAN-R-11)	1	
-10	RC40BF153J	. . . . RESISTOR, Fixed comp 15,000 ohms ±5% 2 W (JAN-R-11)	1	
-11	TT-451	. . . . BOARD, Terminal syn 2 x 6 x 1/8 in. o/a	1	

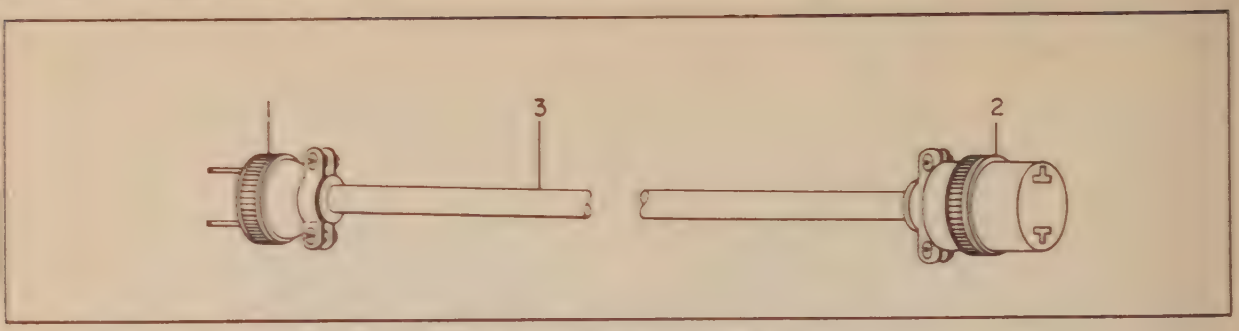

Figure 21. Cord Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
		CORD ASSEMBLY		
21-	CX-237 U	. CORD ASSEMBLY, 8 ft (see figure 2-4 for next higher assembly)	Ref	
-1	9440	. . CONNECTOR, Plug 2 male contacts (HAW)	1	
-2	9953	. . CONNECTOR, Plug 2 female contacts (HAW)	1	
-3	TC-111	. . CABLE, Copper ins 2 cord No. 18	AR	
		CABLE ASSEMBLY		
22-	CX-1290 ARN	. CABLE ASSEMBLY, 6 ft (see figure 2-6 for next higher assembly)	Ref	
-1	AN3108B-28-19S	. . CONNECTOR, Plug 10 female contacts (MIL-C-5015)	1	
-2	AN3108B-28-19P	. . CONNECTOR, Plug 10 male contacts (MIL-C-5015)	1	
-3	COMM	. . WIRE, Electrical stranded No. 14	AR	
-4	COMM	. . WIRE, Electrical stranded No. 18	AR	
-5	COMM	. . TUBING, Vinyl 1/2 ID	AR	

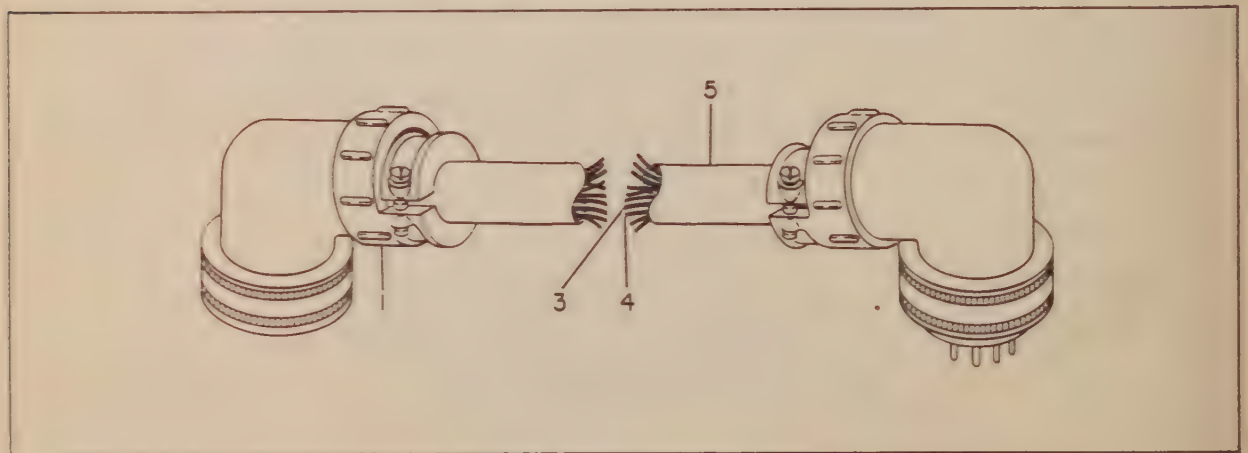

Figure 22. Cable Assembly

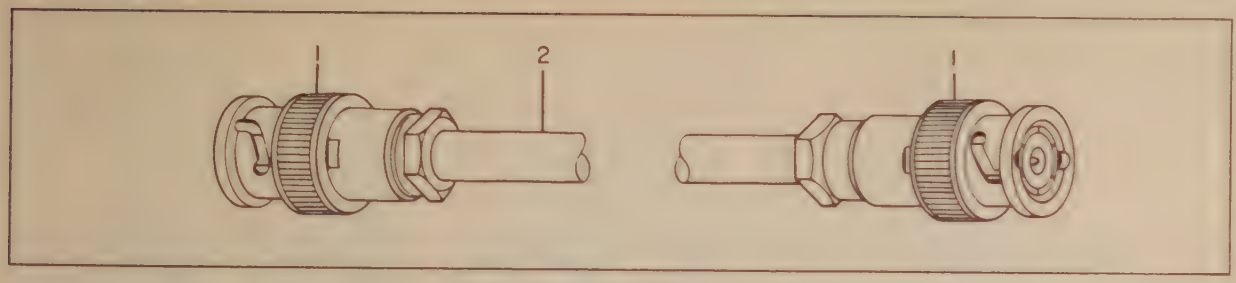

Figure 23. Cable Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
23-	CG-409 O	. CABLE ASSEMBLY, 5 ft lg (see figure 2-9 for next higher assembly)	Ref	
-1	UG-88/U	. . CONNECTOR, Plug male (MIL-C-3608)	2	
-2	RG-58/U	. . CABLE	AR	

SECTION III

NUMERICAL INDEX

Class Code or Stock No.		Part No.	Source Code		Figure and Index No.	Quantity Per Article	Micro Film Index
AF	Navy		AF	Navy			
		Ball	3400		10-52	1	
		Grommet			13-61	1	
		Grommet			13-60	2	
		Lug			13-24	1	
		Nut	6700		14-24	8	
		Nut	6700		4-29	9	
		Nut	6700		14-5	6	
		Nut	6700		3-6	102	
		Nut	6700		5-10	30	
		Nut	6700		13-11	1	
		Nut	6700		11-2	1	
		Nut	6700		13-57	12	
		Nut	6700		14-43	1	
		Nut	6700		3-14	15	
		Nut	6700		13-48	4	
		Nut	6700		4-15	82	
		Nut	6700		10-3	2	
		Nut	6700		5-44	26	
		Nut	6700		5-16	2	
		Nut	6700		4-4	3	
		Nut	6700		3-9	4	
		Nut	6700		9-9	4	
		Pin			12-11	1	
		Pin	6700		12-21	1	
		Screw	6700		10-43	1	
		Screw	6700		14-12	2	
		Screw	6700		10-41	4	
		Screw	6700		15-19	4	
		Screw	6700		16-20	1	
		Screw	6700		4-11	4	
		Screw	6700		9-26	8	
		Screw	6700		14-41	2	
		Screw	6700		13-55	12	
		Screw	6700		13-63	1	
		Screw	6700		13-47	4	
		Screw	6700		13-28	4	
		Screw	6700		13-7	4	
		Screw	6700		5-37	10	
		Screw	6700		4-8	3	
		Screw	6700		13-34	6	
		Screw	6700		13-35	3	
		Screw	6700		4-2	22	
		Screw	6700		11-11	1	
		Screw	6700		17-7	3	
		Screw	6700		5-23	10	
		Screw	6700		4-31	47	
		Screw	6700		4-13	10	
		Screw	6700		6-12	24	
		Screw	6700		6-19	20	
		Screw	6700		5-42	2	
		Screw	6700		10-34	1	
		Screw	6700		3-8	8	
		Screw	6700		9-29	4	

Class Code or Stock No.		Part No.	Source Code		Figure and Index No.	Quantity Per Article	Micro Film Index
AF	Navy		AF	Navy			
		Screw	6700		9-30	2	
		Screw	6700		3-19	20	
		Screw	6700		3-20	8	
		Screw	6700		9-46	12	
		Screw	6700		15-15	4	
		Screw	6700		3-30	8	
		Screw	6700		14-10	4	
		Screw	6700		3-4	32	
		Screw	6700		5-26	1	
		Screw	6700		5-12	1	
		Screw	6700		6-23	2	
		Screw	6700		5-18	4	
		Screw	6700		14-36	3	
		Screw	6700		13-59	2	
		Screw	6700		10-17	4	
		Screw	6700		3-11	7	
		Screw	6700		10-2	2	
		Screw	6700		16-31	2	
		Screw	6700		10-58	4	
		Screw	6700		10-22	12	
		Screw	6700		11-4	2	
		Screw	6700		14-15	8	
		Screw	6700		9-20	4	
		Screw	6700		10-27	5	
		Screw	6700		9-22	1	
		Screw	6700		9-24	4	
		Screw	6700		4-6	2	
		Screw	6700		10-65	6	
		Screw	6700		12-17	4	
		Screw	6700		12-25	2	
		Screw	6700		10-47	2	
		Tubing			22-5	AR	
		Washer	6700		5-15	4	
		Washer	6700		5-14	4	
		Washer	6700		10-35	1	
		Washer	6700		10-38	1	
		Washer	6700		13-37	6	
		Washer	6700		3-13	4	
		Washer	6700		15-8	1	
		Washer	6700		10-48	1	
		Washer	6700		4-28	1	
		Washer	6700		6-13	14	
		Washer	6700		17-9	6	
		Washer	6700		5-27	2	
		Washer	6700		10-24	1	
		Washer	6700		6-14	34	
		Washer	6700		10-23	6	
		Washer	6700		5-52	6	
		Washer	6700		9-31	5	
		Washer	6700		13-23	2	
		Washer	6700		9-27	17	
		Washer	6700		10-55	12	
		Washer	6700		10-9	18	
		Washer	6700		3-21	16	
		Washer	6700		3-5	46	
		Washer	6700		15-26	5	
		Washer	6700		16-27	2	
		Washer	6700		11-3	1	
		Washer	6700		14-42	5	
		Washer	6700		5-35	2	
		Washer	6700		3-12	17	
		Washer	6700		4-3	64	

Class Code or Stock No.		Part No.	Source Code		Figure and Index No.	Quantity Per Article	Micro Film Index
AF	Navy		AF	Navy			
		Washer	6700		3-25	30	
		Washer	6700		6-20	10	
		Washer	6700		4-14	9	
		Washer	6700		5-13	3	
		Washer	6700		5-9	14	
		Wire			22-3	AR	
		Wire			22-4	AR	
331000-1635		0A3	3370		6-4	2	
316000-1385		12AX7	3370		13-52	2	
		2C51	3370		15-2	2	
		2101			11-12	2	
		3S6/5	8870		16-14	1	
		370-BB-1000	3330		13-72	2	
		370-BB-250	3330		13-86	1	
		370-BB-500	3330		13-83	2	
		370-CB-100	3330		11-8	3	
		370-CB-250	3330		11-9	12	
		370-CB-33	3330		11-7	3	
		370-CH	3330		13-77	1	
		370-FF	3330		13-68	1	
		47	8870		4-25	2	
304000-5133		5R4GY	3370		6-2	1	
304000-5279		5Y3GT	3370		6-1	1	
286000-6625		6AK5W	3370		13-51	5	
286000-6287		6AU6	3370		6-6	2	
301000-6225		6B4G	3370		6-7	4	
298000-6395		6V6GT			15-6	1	
		75			14-39	1	
		81410-121			14-32	1	
		9S-2036-L40	7700		16-15	1	
		9006			10-12	2	
		9440	8850		21-1	1	
		9953	8850		21-2	1	
302129		A05	3400		10-70	1	
		AGC-1.5	8870		4-23	4	
		AGC-3	8870		4-24	4	
		AN3108B-28-19P	8850		22-2	1	
		AN3108B-28-19S	8850		22-1	1	
055350211		CC30CH220G	3330		13-88	1	
		CC30CJ100F	3330		13-80	1	
		CC30CJ150G	3330		13-70	2	
055350160		CC30SH470G	3330		13-39	7	
		CC30UK050C	3330		13-79	2	
		CG-409/U	8850		2-9	1	
		CP07S03			15-14	2	
		CM20D202G	3330		20-4	1	
37612080		CM30D102G	3330		19-7	2	
056750514		CP25A1EF103V	3330		19-3	2	
316958907		CP41B1EF105V	3330		15-10	2	
317095046		CP41B1EF205V	3330		15-12	1	
31764030		CP41B1EF405V	3330		15-11	2	
		CP53B1EF104V	3330		5-1	4	
056750326		CP70E1EF106V	3330		6-17	2	
056750290		CP70E1EF405V	3330		6-15	2	
		CR-18/U	2100		10-10	1	
		CR-18/U	2100		10-11	1	
313046248		CV11A120	3330		10-16	2	
		CW-123/U			14-37	1	
		CX-1290/ARN	7CAC		2-6	1	
		CX-237/U	7CAC		2-4	1	
		CY-1068/U			2-10	1	
		CY-1069/U			2-8	1	

Class Code or Stock No.		Part No.	Source Code		Figure and Index No.	Quantity Per Article	Micro Film Index
AF	Navy		AF	Navy			
		PP-348/ARN	7CAC		3-	Ref	
		R4	3400		13-9	1	
		RC20BF101J	3350		20-1	1	
		RC20BF102J	3350		19-4	2	
101000-4411		RC20BF103J	3350		18-5	1	
		RC20BF104J	3350		13-69	8	
		RC20BF153J	3350		17-4	1	
		RC20BF164J	3350		13-5	2	
		RC20BF221J	3350		20-8	1	
101000-3541		RC20BF222J	3350		19-1	1	
		RC20BF224J	3350		18-1	2	
		RC20BF333J	3350		13-73	2	
101000-6131		RC20BF394J	3350		19-6	2	
		RC20BF471J	3350		5-32	5	
		RC20BF472J	3350		13-82	2	
		RC20BF473J	3350		13-81	4	
		RC20BF474J	3350		17-1	4	
		RC20BF682J	3350		13-84	2	
		RC20BF683J	3350		17-3	1	
		RC20BF684J	3350		18-3	1	
131000-6831		RC30BF104J	3350		20-9	1	
		RC30BF105J	3350		7-5	2	
		RC30BF124J	3350		8-3	1	
		RC30BF154J	3350		7-2	3	
		RC30BF223J	3350		13-75	2	
		RC30BF474J	3350		7-1	2	
		RC30BF684J	3350		8-1	1	
		RC40BF101J	3350		5-53	1	
		RC40BF103J	3350		5-21	5	
		RC40BF153J	3350		20-10	1	
		RC40BF154J	3350		7-4	2	
		RC40BF241J	3350		17-2	1	
		RC40BF334J	3350		8-2	4	
		RC40BF474J	3350		7-3	1	
		RC42BF103J	3350		13-76	2	
		RG-58/U			12-4	AR	
890500-7115		RP101RD502KK	3350		14-18	1	
794500-8346		RV4ATRD104C	3350		14-20	1	
793000-1584		RV4ATRD501A	3350		14-17	2	
501000-1211		RW32HR63	3360		16-30	1	
501000-2781		RW32H252	3350		17-6	3	
501000-2911		RW32H312	3350		16-29	1	
530000-6325		RW34G123	3350		5-25	1	
		RW36F401	3350		5-11	2	
363924-28		SG-1A/ARN	7CAC		2-3	1	
395853615		ST52N	3360		4-27	1	
		TA-340	7CTH		9-23	1	
		TA-369	7CTH		13-30	1	
		TA-370	7CTH		13-31	2	
		TA-371			13-1	1	
		TA-480	7CTH		16-42	1	
					17-	Ref	
		TA-488	7CTH		5-49	1	
					7-	Ref	
		TA-489			16-25	2	
		TA-492			16-45	1	
					20-	Ref	
		TA-493	7CTH		16-44	1	
					19-	Ref	
		TA-494	7CTH		16-43	1	
					18-	Ref	
		TA-495	7CTH		5-50	1	
					8-	Ref	

Class Code or Stock No.		Part No.	Source Code		Figure and Index No.	Quantity Per Article	Micro Film Index
AF	Navy		AF	Navy			
		TA-496	7CTH		13-41	1	
		TA-497	7CTH		13-40	1	
		TA-498	7CTH		13-38	1	
		TA-499	7CTH		13-42	1	
		TA-519			10-5	1	
		TA-520	7CTH		10-44	1	
		TA-525	8850		2-2	1	
		TA-526			2-5	1	
		TA-527			10-56	1	
		TA-528	7CTH		10-71	1	
		TA-531	7CTH		10-36	1	
		TA-532	7CTH		10-33	1	
		TA-533	7CTH		13-66	1	
		TA-534	7CAC		10-21	1	
					12-	Ref	
		TA-575	7CAC		9-28	1	
					10-	Ref	
		TA-577			13-6	1	
		TAA-533			10-75	1	
					13-	Ref	
		TB-396	3330		6-18	2	
		TB-397	3330		6-16	4	
		TB-398			13-58	1	
		TB-399	3330		15-18	1	
		TB-401			14-33	1	
		TB-402	3350		6-3	1	
		TB-411	3350		16-35	4	
					17-11	6	
		TB-413			12-10	1	
		TB-415	3400		10-51	1	
		TB-416	3350		5-29	2	
		TB-420	7CTH		10-72	1	
		TB-421			3-26	1	
					9-42	1	
		TB-424			10-53	1	
		TB-425			3-22	1	
					9-39	1	
		TB-426			3-23	1	
					9-38	1	
		TB-434			13-2	1	
					13-18	1	
		TB-435			13-3	9	
					13-14	1	
		TB-488			5-17	2	
		TC-111			21-3	AR	
		TC-644			10-57	1	
		TC-740	3370		6-10	2	
					15-5	1	
		TC-740-1	3370		6-9	6	
		TC-740-2	3370		6-11	2	
		TC-821	3370		5-6	1	
		TC-822			13-85	1	
		TC-823	3340		13-71	4	
		TC-824			11-5	2	
		TC-825			11-6	10	
		TC-826	3340		13-78	1	
		TC-836	8850		4-16	1	
					14-25	1	
		TC-848			13-26	8	
					13-45	9	
		TC-849			10-29	1	
		TC-850			3-1	1	
					9-1	1	

Class Code or Stock No.		Part No.	Source Code		Figure and Index No.	Quantity Per Article	Micro Film Index
AF	Navy		AF	Navy			
		TC-851	6700		5-41	1	
		TC-855			10-25	1	
		TC-857			12-19	1	
		TC-858	3330		6-22	2	
		TC-861	7CTH		10-1	1	
		TC-866			16-48	1	
		TC-870	8850		2-7	1	
		TC-872			13-87	3	
		TC-873	8850		14-26	1	
		TC-874	8850		4-17	1	
		TC-878	6700		5-40	1	
		TCA-683			3-31	1	
					5-	Ref	
					6-	Ref	
		TCA-866			9-47	1	
					15-	Ref	
					16-	Ref	
		TD-168	7CTH		10-42	1	
		TD-191			13-16	1	
		TD-192			11-10	3	
		TD-194			10-28	1	
		TD-196	7CTH		10-20	1	
		TF-208	8870		4-22	8	
		TF-228	3340		5-7	1	
		TF-229	7CTH		3-10	2	
					9-10	2	
		TF-230	6600		3-7	4	
					9-7	4	
		TF-234			3-3	4	
					9-3	4	
					10-19	1	
		TF-235	7CTH		11-	Ref	
		TG-239			10-67	1	
		TG-240			10-60	1	
		TG-241			10-61	1	
		TG-251			14-7	1	
		TG-252			10-68	1	
		TG-300			12-6	1	
		TG-305			12-29	1	
		TG-307			12-27	1	
		TG-315			10-46	1	
		TH-311			3-15	2	
					9-15	2	
		TH-356			10-64	1	
		TH-357			10-63	1	
		TH-358			10-30	1	
		TH-359			13-10	1	
		TH-360			10-18	1	
		TH-363			12-23	1	
		TH-364			10-6	1	
		TI-199			10-15	2	
		TK-174	3320		9-19	1	
		TK-175	3320		9-18	1	
		TK-176	3320		9-21	1	
		TK-177	3320		14-13	4	
		TK-178	3320		4-5	1	
					14-14	4	
		TL-228	7700		4-76	1	
		TL-230			13-27	1	
		TL-231			14-27	1	
					14-35	3	
		TL-232			4-18	1	
					4-32	1	

Class Code or Stock No.		Part No.	Source Code		Figure and Index No.	Quantity Per Article	Micro Film Index
AF	Navy		AF	Navy			
		TM-175	0800		14-1	1	
		TM-176	0801		14-2	1	
		TM-179	7CAC		4-1	1	
		TM-214	7CTH		13-32	3	
		TN-224			14-11	1	
		TN-225			4-10	1	
		TP-380			10-40	1	
		TP-456			5-5	1	
		TP-457	3330		16-1	2	
		TP-458	8880		4-30	1	
					14-34	3	
		TP-464			13-33	3	
		TP-465			12-24	2	
					12-28	2	
		TP-467			12-7	1	
		TP-468			12-9	1	
		TP-472	7CTH		13-62	1	
		TP-474	7CTH		12-5	1	
		TP-476			12-8	1	
		TP-479			12-20	1	
		TP-483			3-29	1	
					9-45	1	
		TP-484			14-44	1	
		TP-485			4-33	1	
		TP-486			13-15	1	
		TPA-484			9-34	1	
					14-	Ref	
		TPA-485			3-18	1	
					4-	Ref	
		TR-321			13-12	1	
		TR-322			13-13	1	
		TR-481	3350		15-22	1	
		TR-482	3350		15-23	1	
		TR-483			5-33	2	
		TR-484	3350		15-24	2	
		TR-485	3350		15-25	1	
		TR-487	8850		4-12	1	
		TR-498			12-1	1	
		TR-499			12-12	1	
		TR-501			14-6	1	
		TR-504			12-15	1	
		TR-505	3380		6-8	1	
		TR-609	3350		12-2	1	
		TS-685	7CTH		10-4	2	
		TS-704			3-2	8	
					9-2	8	
		TS-872			10-7	1	
		TS-874	3360		14-22	1	
		TS-875	3360		14-21	1	
		TS-876	3360		14-18	1	
		TS-877	8850		5-45	10	
					16-6	1	
		TS-880	3360		10-14	1	
		TS-881	7CTH		14-19	1	
		TS-909			12-26	2	
		TS-910	7CTH		10-62	2	
					10-66	2	
		TS-912	7CTH		10-13	1	
		TS-916			13-19	1	
		TS-917			10-32	1	
		TS-921			13-25	4	
		TS-922			12-16	1	

Class Code or Stock No.		Part No.	Source Code		Figure and Index No.	Quantity Per Article	Micro Film Index
AF	Navy		AF	Navy			
		TS-923			13-17	1	
		TS-929			13-21	1	
		TS-935	7CTH		10-49	1	
		TS-939			12-31	1	
		TS-942			4-7	1	
		TS-943	3340		5-8	1	
		TS-948			13-4	1	
		TS-1231			13-49	1	
3370-774000-1925		TS102U01	3370		13-50	5	
3370-774000-1955		TS102U02	3370		6-5	2	
3370-774000-2165		TS103U01	3370		15-1	2	
3370-774000-2185		TS103U02	3370		15-3	1	
8850-882880		TSE7T102	8850		5-36	7	
8850-896725		TSE9T102	8850		13-53	4	
		TT-426			13-46	4	
		TT-433	8880		16-39	1	
		TT-450	8880		5-22	1	
		TT-451			19-8	1	
					20-11	1	
		TT-452	8880		7-10	1	
					8-10	1	
					18-11	1	
		TT-456			17-15	1	
		TTA-453			12-32	1	
		TW-244			10-26	1	
		TW-245			10-69	1	
		TW-283			10-37	1	
					12-18	2	
		TW-289			10-39	1	
		TW-287			14-9	1	
		TW-288			14-8	1	
		UG-88/U	8850		23-1	2	
		UG-290/U			14-38	1	
		UG-291/U			9-25	2	

SECTION IV

REFERENCE DESIGNATION INDEX

REF. DESIG.	FIG. AND INDEX NO.	CLASS CODE OR STOCK NO.	PART NO.
C1001	13-72	3330-	370-BB-1000
C1002	13-39	3330-	CC30SH470G
C1003	13-74	3330-	CC30SH470J
C1004	13-88	3330-	CC30CH220G
C1006	13-79	3330-	CC30UK050G
C1007	13-74	3330-	CC30SH470G
C1008	13-83	3330-	370-BB-500
C1009	13-74	3330-	CC30SH470J
C1010	13-74	3330-	CC30SH470J
C1011	13-86	3330-	370-BB-250
C1012	13-80	3330-	CC30CJ150G
C1013	13-74	3330-	CC30SH470J
C1014	13-79	3330-	CC30UK050G
C1015	13-80	3330-	CC30CJ100F
C1016	13-77	3330-	370-CH
C1017	10-16	3330-	CV11A120
C1018	10-16	3330-	CV11A120
C1019	13-80	3330-	CC30CJ150G
C1020	13-68	3330-	370-FF
C1021	13-72	3330-	370-BB-1000
C1022	13-74	3330-	CC30SH470J
C1023	13-83	3330-	370-BB-500
C1024	11-9	3330-	370-CB-250
C1025	11-9	3330-	370-CB-250
C1026	11-9	3330-	370-CB-250
C1027	11-9	3330-	370-CB-250
C1028	11-9	3330-	370-CB-250
C1029	11-9	3330-	370-CB-250
C1030	11-8	3330-	370-CB-100
C1031	11-8	3330-	370-CB-100
C1032	11-8	3330-	370-CB-100
C1033	11-9	3330-	370-CB-250
C1034	11-9	3330-	370-CB-250
C1035	11-9	3330-	370-CB-250
C1036	11-7	3330-	370-CB-33
C1037	11-7	3330-	370-CB-33
C1038	11-7	3330-	370-CB-33
C1039	11-9	3330-	370-CB-250
C1040	11-9	3330-	370-CB-250
C1041	11-9	3330-	370-CB-250
C1042	13-87	3330-	TC-872
C1043	13-87	3330-	TC-872
C1044	13-87	3330-	TC-872
C801	6-15	3330-	CP70E1EF405V
C802	6-15	3330-	CP70B1EF405V
C803	18-6	3330-	CP53B1EF104V
C804	18-6	3330-	CP53B1EF104V
C805	6-17	3330-	CP70E1EF106V
C806	18-6	3330-	CP53B1EF104V
C807	18-6	3330-	CP53B1EF104V
C901	19-7	3330-	CM30D102G
C902	19-7	3330-	CM30D102G

REF. DESIG.	FIG. AND INDEX NO.	CLASS CODE OR STOCK NO.	PART NO.
C903	19-3	3330-	CP25A1EF103V
C904	15-10	3330-	CP41B1EF105V
C905	15-11	3330-	CP41B1EF405V
C906	18-6	3330-	CP53B1EF104V
C907	15-11	3330-	CP41B1EF405V
C908	19-3	3330-	CP25A1EF103V
C909	20-4	3330-	CM20D202G
C910	15-12	3330-	CP41B1EF205V
C911	15-10	3330-	CP41B1EF105V
C912	15-13	3330-	CP70E1EF106V
E1001	13-50	3370-	TS102U01
E1002	13-50	3370-	TS102U01
E1003	13-50	3370-	TS102U01
E1004	13-50	3370-	TS102U01
E1005	13-50	3370-	TS102U01
E801	4-25	8870-	47
E901	16-14	8870-	3S6/5
E902	14-31	8870-	47
E903	2-7		TC-870
E904	2-5		TA-526
E905	2-2		TA-525
F801	4-23	8870-	AGC-1.5
F802	4-23	8870-	AGC-1.5
F803	4-24	8870-	AGC-3
F804	4-24	8870-	AGC-3
F805	4-23	8870-	AGC-1.5
F806	4-23	8870-	AGC-1.5
F807	4-24	8870-	AGC-3
F808	4-24	8870-	AGC-3
HR801	5-11	3350-	RW36F401
HR901	5-11	3350-	RW34F401
J801	4-12		TR-487
J802	4-17	8850-	TC-874
J901	14-38	8850-	UG-290/U
J902	14-26	8850-	TC-873
K801	6-8	3380-	TR-505
L1001	13-71	3340-	TC-823
L1002	13-38	7CTH	TA-498
L1003	13-71	3340-	TC-823
L1004	13-40	7CTH	TA-497
L1005	13-85	7CTH	TC-822
L1006	13-42	7CTH	TA-499
L1007	13-78	3340-	TC-826
L1008	13-71	3340-	TC-823
L1009	13-41	7CTH	TA-496
L1010	13-71	3340-	TC-823
L1011	11-6	3340-	TC-825
L1012	11-6	3340-	TC-825
L1013	11-6	3340-	TC-825
L1014	11-6	3340-	TC-825
L1015	11-6	3340-	TC-825
L1016	11-6	3340-	TC-825

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L1017	11-5	3340-	TC-824
L1018	11-5	3340-	TC-824
L1019	11-6	3340-	TC-825
L1020	11-6	3340-	TC-825
L1021	11-6	3340-	TC-825
L1022	11-6	3340-	TC-825
L801	5-6	3370-	TC-821
M801	4-1	7CAC	TM-179
M901	14-1	0801-	TM-175
M902	14-2	0801-	TM-176
P801	21-1	8850-	9440
P802	21-2	8850-	9953
P901	22-2	8850-	AN3108B-28-19P
P902	22-1	8850-	AN3108B-28-19S
P903	23-1	8850-	UG-88/U
R1001	13-76	3350-	RC42BF103J
R1002	13-69	3350-	RC20BF104J
R1003	13-73	3350-	RC20BF333J
R1004	13-69	3350-	RC20BF104J
R1005	13-82	3350-	RC20BF472J
R1006	13-69	3350-	RC20BF184J
R1007	13-75	3350-	RC30BF223J
R1008	12-2	3350-	TR-609
R1009	13-69	3350-	RC20BF104J
R1010	13-81	3350-	RC20BF473J
R1011	13-75	3350-	RC30BF223J
R1012	13-73	3350-	RC20BF333J
R1013	13-69	3350-	RC20BF104J
R1014	13-76	3350-	RC42BF103J
R1015	13-69	3350-	RC20BF104J
R1016	13-69	3350-	RC20BF104J
R1017	13-84	3350-	RC20BF682J
R801	7-5	3350-	RC30BF105J
R802	5-32	3350-	RC20BF471J
R803	5-32	3350-	RC20BF471J
R804	7-3	3350-	RC40BF474J
R805	7-2	3350-	RC30BF154J
R806	7-1	3350-	RC30BF474J
R807	7-2	3350-	RC30BF154J
R808	5-21	3350-	RC40BF103J
R809	5-21	3350-	RC40BF103J
R810	5-21	3350-	RC40BF103J
R811	5-21	3350-	RC40BF103J
R812	5-21	3350-	RC40BF103J
R813	7-4	3350-	RC40BF154J
R814	5-33	3350-	TR-483
R815	7-4	3350-	RC40BF154J
R816	8-1	3350-	RC30BF684J
R817	5-32	3350-	RC20BF471J
R818	5-32	3350-	RC20BF471J
R819	8-2	3350-	RC40BF334J
R820	8-3	3350-	RC30BF124J
R821	8-4	3350-	RC30BF474J
R822	5-25	3350-	RW34H123
R823	8-2	3350-	RC40BF334J
R824	5-33	3350-	TR-483
R825	8-5	3350-	RC30BF154J
R826	6-3	3350-	(TB-402)
R829	5-53	3350-	RC40BF101J
R901	19-6		RC20BF394J
R902	19-5	3350-	RC20BF164J
R903	19-6		RC20BF394J
R904	19-5	3350-	RC20BF164J
R905	19-4	3350-	RC20BF102J
R906	19-1	3350-	RC20BF222J
R907	15-22	3350-	TR-481
R908	19-2	3350-	RC20BF474J
R909	20-9	3350-	RC30BF104J
R910	20-8	3350-	RC20BF221J
R911	20-10	3350-	RC40BF153J
R912	20-6	3350-	RC20BF473J
R913	20-7	3350-	RC20BF224J
R914	18-3	3350-	RC20BF684J
R915	18-4	3350-	RC20BF473J
R916	18-4	3350-	RC20BF473J
R917	18-10	3350-	RC20BF472J
R918	18-5	3350-	RC20BF103J
R919	19-2	3350-	RC20BF474J
R920	14-20	3350-	RU4ATRD104C
R921	16-5	3350-	RC20BF471J
R922	20-5	3350-	RC20BF102J
R923	17-5	3350-	RC40BF334J
R924	15-24	3350-	TR-484
R925	17-5	3350-	RC40BF334J
R926	17-3	3350-	RC20BF683J
R927	17-1	3350-	RC20BF474J
R928	17-2	3350-	RC40BF241J
R929	17-6	3350-	RW32H252
R930	17-6	3350-	RW32G252
R931	17-6	3350-	RW32G252
R933	17-4	3350-	RC20BF153J
R934	14-16	3350-	RP101RD502KK
R935	16-29	3350-	RW32H312
R936	20-1	3350-	RC20BF101J
R937	14-17	3350-	RV4ATRD501A
R938	14-17	3350-	RV4ATRD501A
R939	20-2	3350-	RC20BF474J
R940	20-3	3350-	RC20BF682J
R941	15-23	3350-	TR-482
R942	15-24	3350-	TR-484
R943	18-2	3350-	RC20BF104J
R944	15-25	3350-	TR-485
R945	18-1	3350-	RC20BF224J
R946	16-30	3350-	RW32HR63
S1001	10-5		TA-519
S801	4-7		TS-942
S802	4-27	3360-	ST52N
S901	14-22		TS-874
S902	14-21		TS-875
S903	14-18		TS-876
T801	5-5		TP-456
T802	5-7		TF-228
V1001	13-51	3370-	6AK5W
V1002	13-51	3370-	6AK5W
V1003	13-51	3370-	6AK5W
V1004	13-52	3370-	12AX7
V1005	13-51	3370-	6AK5W
V1006	13-51	3370-	6AK5W
V801	6-2	3370-	5R4WGY
V802	6-1	3370-	5Y3GT
V803	6-7	3370-	6B4G
V804	6-7	3370-	6B4G

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V805	6-6	3370-	6AU6
V806	6-4	3370-	0A3
V807	6-7	3370-	6B4G
V808	6-7	3370-	6B4G
V809	6-6	3370-	6AU6
V810	6-4	3370-	0A3
V901	15-2	3370-	2C51
V902	15-4	3370-	12AX7
V903	15-2	3370-	2C51
V904	15-6	3370-	6U6GT
XV1001	13-54		TSE7T102
XV1002	13-54		TSE7T102
XV1003	13-54		TSE7T102
XV1004	13-53		TSE9T102
XV1005	13-54		TSE7T102
XV1006	13-54		TSE7T102
XV801	5-45		TS-877
XV802	5-45		TS-877
XV803	5-45		TS-877
XV804	5-45		TS-877
XV805	5-36		TSE7T102
XV806	5-45		TS-877
XV807	5-45		TS-877
XV808	5-45		TS-877
XV809	5-36		TSE7T102
XV810	5-45		TS-877
XV811	5-45		TS-877
XV812	5-45		TS-877
XV901	16-10		TSE9T102
XV902	16-10		TSE9T102
XV903	16-10		TSE9T102
XV904	16-6		TS-877
XY1001	10-12		9006
XY1002	10-12		9006
Y1001	10-10	2100-	CR-18/U
Y1002	10-11	2100-	CR-18/U